

*California Department of Transportation
Division of Maintenance*

Structure Maintenance and Investigations

B_{RIDGE}

I_{NSPECTION}

R_{ECORDS}

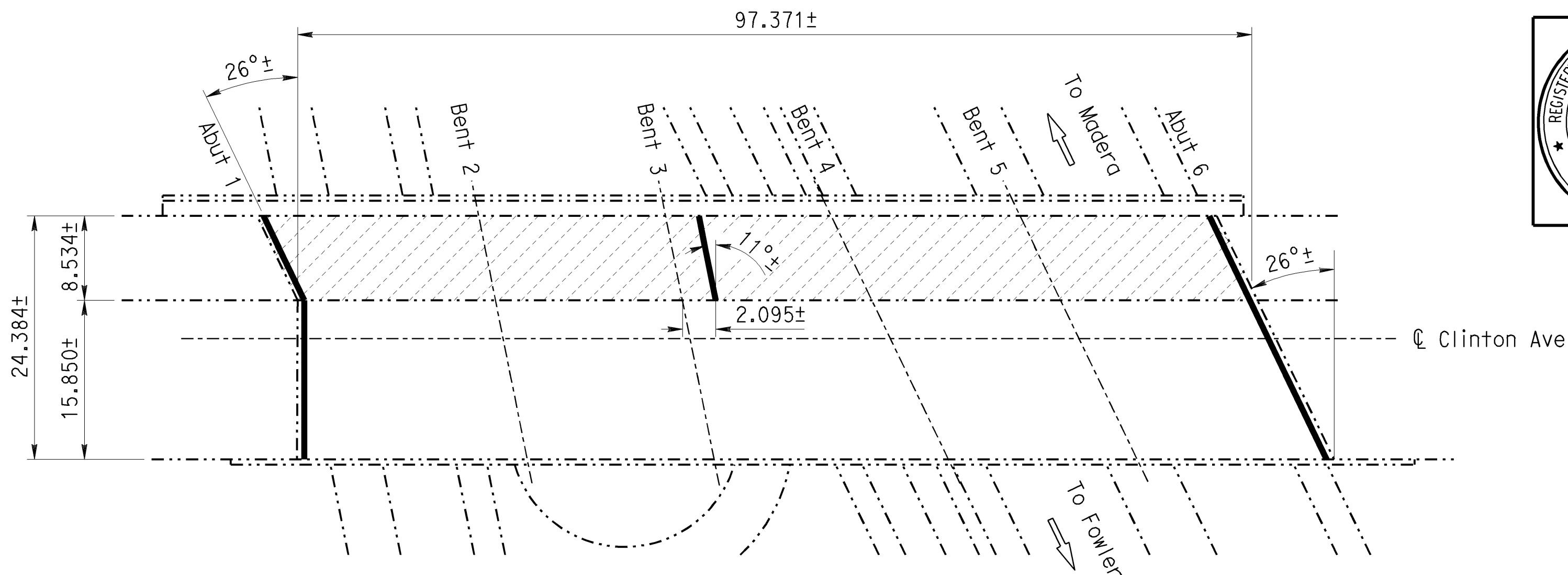
I_{NFORMATION}

S_{YSTEM}

The requested documents have been generated by BIRIS.

These documents are the property of the California Department of Transportation and should be handled in accordance with Deputy Directive 55 and the State Administrative Manual.

Records for “Confidential” bridges may only be released outside the Department of Transportation upon execution of a confidentiality agreement.



△					
③	8-08-07	CHANGE SHEET NUMBERS	MJL	TP	DK
②	8-08-07	CHANGED NAME GENERAL PLAN NO. 1	MJL	TP	DK
①	8-08-07	ADDED SUPPLEMENTAL SHEET	MJL	TP	DK
MARK	DATE	REVISION(S) DESCRIPTIONS	DES	CHK	DET
REGISTERED CIVIL ENGINEER: <i>Michael J. Lee</i>			DATE: 9-07-07		

CONTRACT CHANGE ORDER NO. _____
SHEET _____ OF _____

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
06	Fre	99	19.0/39.3	10R1	11

Matthew W Lee 11/20/06
REGISTERED CIVIL ENGINEER

2-26-07
PLANS APPROVAL DATE

The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

To get to the Caltrans web site, go to: <http://www.dot.ca.gov>

STANDARD PLANS DATED JULY 2004

<u>SHEET No.</u>	<u>TITLE</u>
A10A	ACRONYMS AND ABBREVIATIONS (A-L)
A10B	ACRONYMS AND ABBREVIATIONS (M-Z)
RSP B6-21	JOINT SEALS (MAXIMUM MOVEMENT RATING = 50 mm)

INDEX TO PLANS


<u>SHEET No.</u>	<u>TITLE</u>
1	GENERAL PLAN NO. 1
2	GENERAL PLAN NO. 2
3	JOINT SEAL TABLE


NOTES:


(APPLY TO ALL SHEETS)

----- Indicates existing.

THE CONTRACTOR SHALL VERIFY ALL
CONTROLLING FIELD DIMENSIONS
BEFORE ORDERING OR FABRICATING
ANY MATERIAL.

 Indicates limits of clean and treat deck with high molecular weight methacrylate.

 Indicates limits of remove existing 25mm± thick AC overlay, clean and treat deck with high molecular weight methacrylate.

 Indicates limits of existing joint seal removal and placement of new joint seal.

Br No. 42-0188

$$\begin{array}{r} 2 \ 123 \ m^2 \\ 2 \ 123 \ m^2 \\ 129 \ \overline{-207} \ m \\ 129 \ \overline{-172} \ m \\ \quad 37 \ m \\ \quad 2 \ 123 \ m^2 \\ 908 \ \overline{-965} \ L \end{array}$$



NIELSEN AVENUE UNDRACROSSING
QUANTITIES

REMOVE ASPHALT CONCRETE SURFACING
CLEAN BRIDGE DECK
CLEAN EXPANSION JOINT
JOINT SEAL (MR 30 mm)
~~JOINT SEAL (MR 15 mm)~~
TREAT BRIDGE DECK
FURNISH BRIDGE DECK TREATMENT MATERIAL

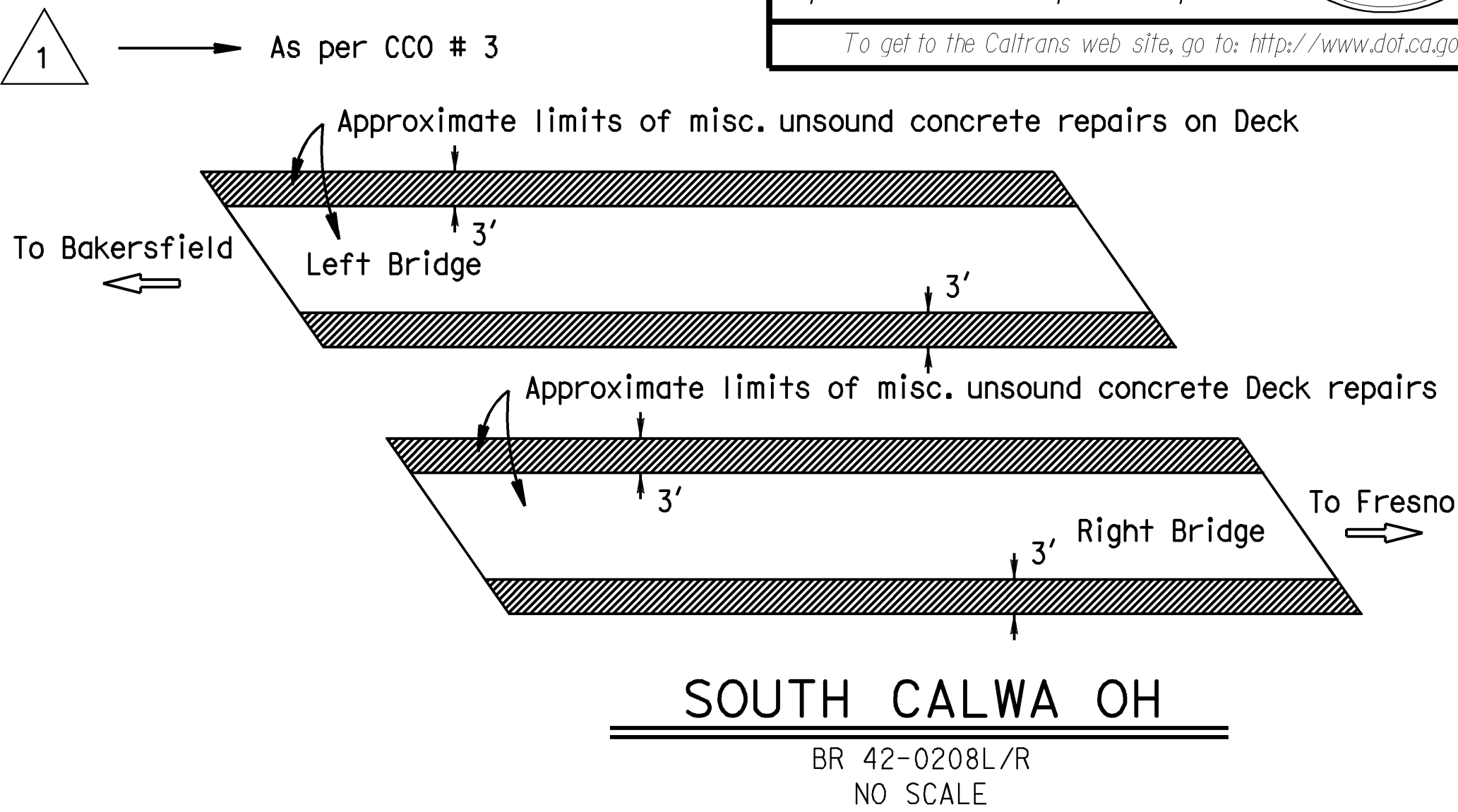
not used ~~JOINT SEAL (MR 15 mm)~~

TREAT BRIDGE DECK
FURNISH BRIDGE DECK TREATMENT MATERIAL

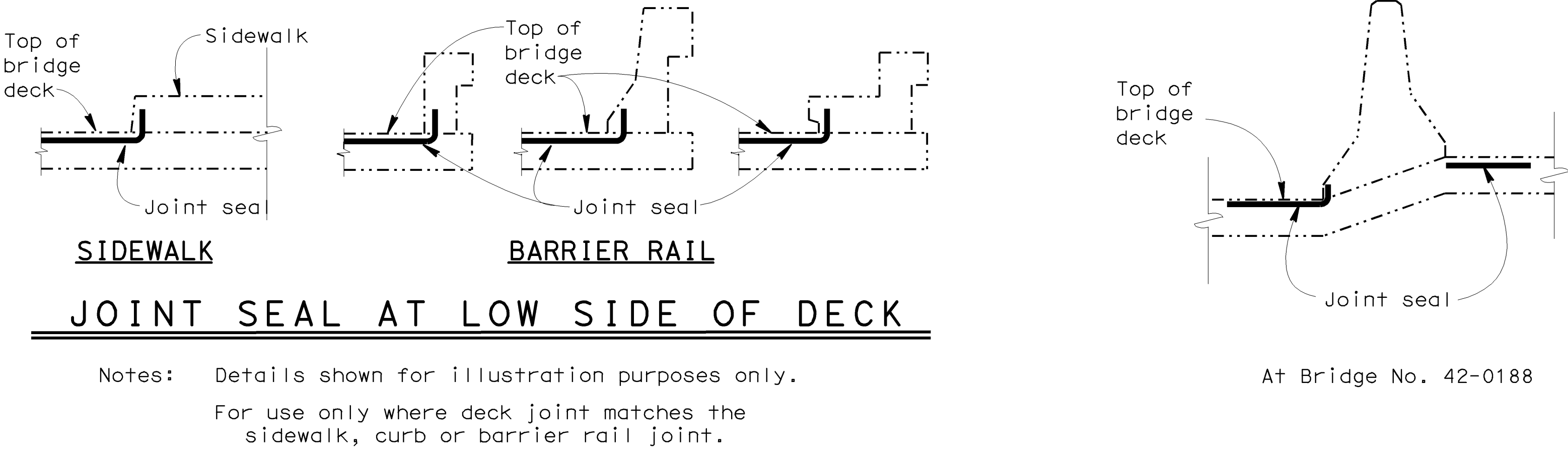


	 DESIGN ENGINEER	DESIGN	BY Matt Lee	CHECKED Tim Powell	LAYOUT	BY Seth Evans	CHECKED Matt Lee	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN	BRIDGE NO.	ROUTE 99 BRIDGES (TREAT DECK)										
		DETAILS	BY Seth Evans	CHECKED Tim Powell		BY					Varies										
		QUANTITIES	BY Matt Lee	CHECKED Tim Powell	SPECIFICATIONS	BY Karla Meier	CHECKED Karla Meier			PLANS AND SPECS COMPARED	KILOMETER POST	GENERAL PLAN NO. 1									
											Various										
GENERAL PLAN & DETAIL SHEET METRIC (REV. 10/2/05)		ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN				ORIGINAL SCALE IN MILLIMETERS FOR REDUCED PLANS				CU 06244 EA 0C4101											
										DISREGARD PRINTS BEARING EARLIER REVISION DATES					REVISION DATES (PRELIMINARY STAGE ONLY) 4-7-06 9-27-06 12-7-06					SHEET 1 OF 3	

DECK RESURFACING WORK DESCRIPTION											QUANTITIES			
ROUTE	KP	BRIDGE NAME	BRIDGE NUMBER	LENGTH	ROADWAY WIDTH	SHOULDER WIDTH		WORK REQUIRED			CLEAN BRIDGE DECK	TREAT BRIDGE DECK	FURNISH BRIDGE DECK TREATMENT MATERIAL (LOW ODOR)	REMOVE EPOXY GRIT SURFACING
						LEFT	RIGHT	REPLACE JOINT SEALS	REMOVE OVERLAY	CLEAN AND TREAT BRIDGE DECK WITH METHACRYLATE	(m ²)	(m ²)	(L)	(m ²)
99	19.05	Adams Ave OC	42 0203	99.092	9.754	1.219	1.219	YES	NO	YES YES	936 966	936 966	414 435	N/A
99	25.52	Central Ave OC	42 0207	84.734	9.756	1.219	1.219	NO	NO	YES	826	826	376	N/A
99	26.63	South Calwa OH	42 0208L	78.029	14.935	2.438	1.524	YES	YES	YES	1165	1165	530 531	1165
99	26.63	South Calwa OH	42 0208R	66.446	14.935	2.438	1.524	YES	YES	YES	992	992	451 450	992
99	35.61	Clinton Ave OC	42 0183	See General Plan				YES	NO	YES			See General Plan	
99	39.30	Nielsen Ave UC	42 0188	See General Plan				YES	YES	YES			See General Plan	


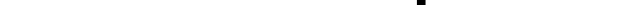



JOINT SEAL TABLE						
BRIDGE NUMBER	LOCATION		MINIMUM "MR" (mm)	APPROXIMATE LENGTH (m)	EXISTING WATERSTOP	APPROX DEPTH TO CLEAN EXP JOINT (mm)
42 0203	Abut 1	BW	40	13.1	NO	229
	Abut 5	BW	40	13.1	NO	229
42 0208L	Abut 1	PN	30	21.7	NO	305
	Abut 5	PN	30	21.7	NO	305
42 0208R	Abut 1	PN	30	21.7	NO	305
	Abut 4	PN	30	21.7	NO	305
42 0183	Abut 1	BW	40	25.7	NO	229
	Span 3	H	40	8.8	NO	229
	Abut 3	BW	40	27.5	NO	229
42 0188	Abut 1	BW	15	17.9 0	NO	356
	Bent 2	BW	30	56.8	NO	1219 305
	Bent 3	B	30	56.8 19.4	YES	203
	Bent 4	BW	30	56.8	NO	1219 305
	Abut 5	BW	15	18.6 0	NO	396 305



LEGEND:
BW = Abutment backwall
PN = Paving notch
H = Hinge
B = Bent

	▲					
	▲					
	▲					
	▲	8-23-07	CHANGE QUANTITIES ADAM AVE TABLE	MJL	TP	DK
MARK		DATE	REVISION(S)	DESCRIPTIONS	DES	CHK
REGISTERED CIVIL ENGINEER:		Michael J. Lee			DATE: 9-07-07	

	STRUCTURE MAINTENANCE DESIGN GENERAL PLAN & DETAIL SHEET (METRIC) (REV. 6/2/05)	DESIGN	BY Matt Lee	CHECKED Tim Powell	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN	BRIDGE NO.	ROUTE 99 BRIDGES (TREAT DECK)																							
		DETAILS	BY Seth Evans	CHECKED Tim Powell			Varies	JOINT SEAL TABLE																							
		QUANTITIES	BY Matt Lee	CHECKED Tim Powell			KILOMETER POST																								
							Various																								
ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SHOWN		ORIGINAL SCALE IN MILLIMETERS FOR REDUCED PLANS				CU 06244 EA OC4101		DISREGARD PRINTS BEARING EARLIER REVISION DATES												REVISION DATES (PRELIMINARY STAGE ONLY)										SHEET	OF
										4-7-06 9-7-06 12-7-06																				3	3

U-006-2(6)

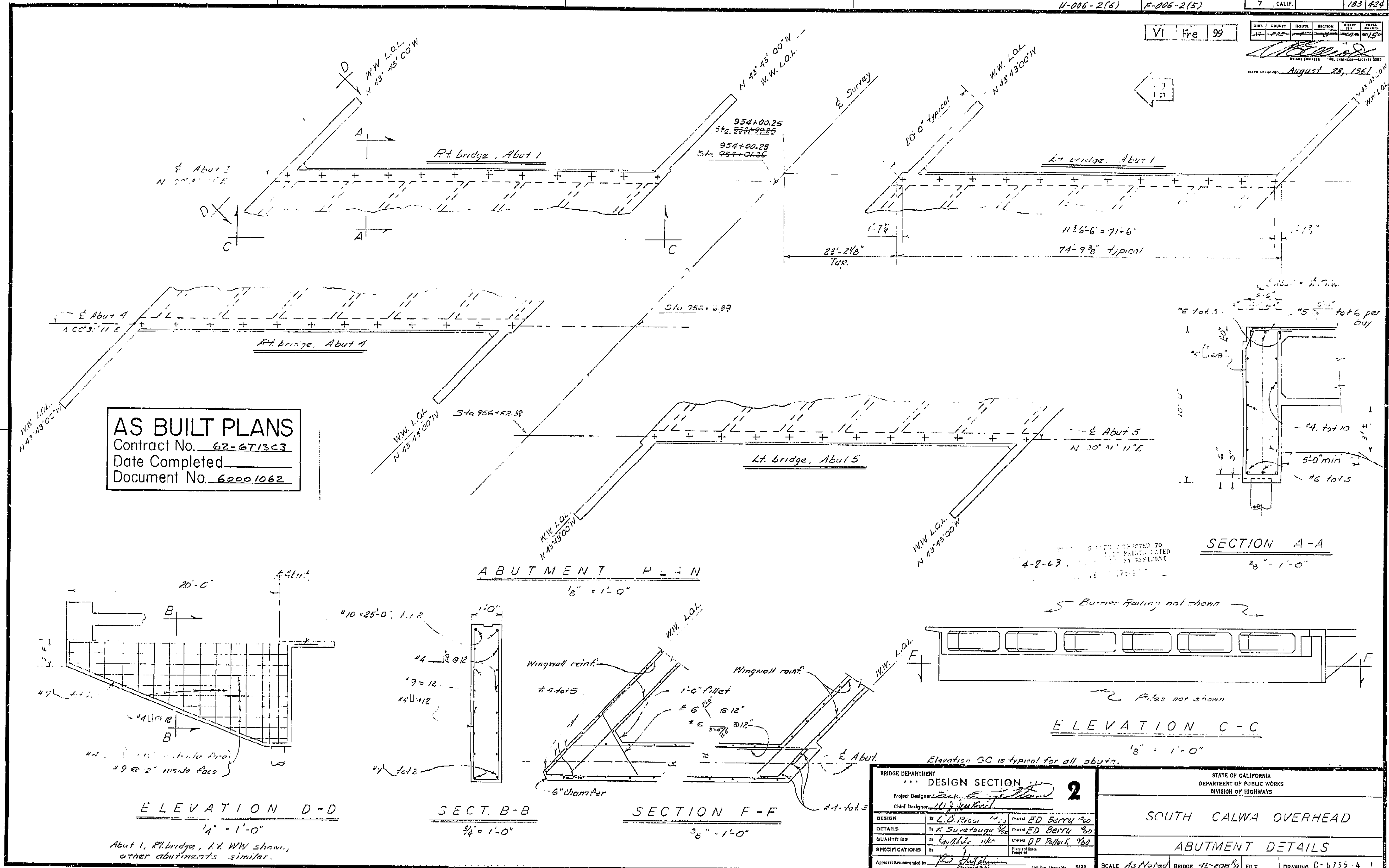
F-006-2(5)

FED. ROAD DIST. NO.	STATE	F. A. PROJECT NO.	SHEET NO.	TOTAL SHEETS
7	CALIF.		183	224

VI Fre 99

DIST.	COUNTY	ROUTE	SECTION	SHEET NO.	TOTAL SHEETS
VI	Fre	99		183	224

DATE APPROVED August 28, 1961



I HEREBY CERTIFY THAT THIS IS A TRUE AND ACCURATE COPY OF THE ABOVE DOCUMENT TAKEN UNDER MY DIRECTION AND CONTROL ON THIS DATE IN SACRAMENTO, CALIFORNIA PURSUANT TO AUTHORIZATION BY THE DIRECTOR OF PUBLIC WORKS.

DATE 1-12-62 SIGNATURE TITLE

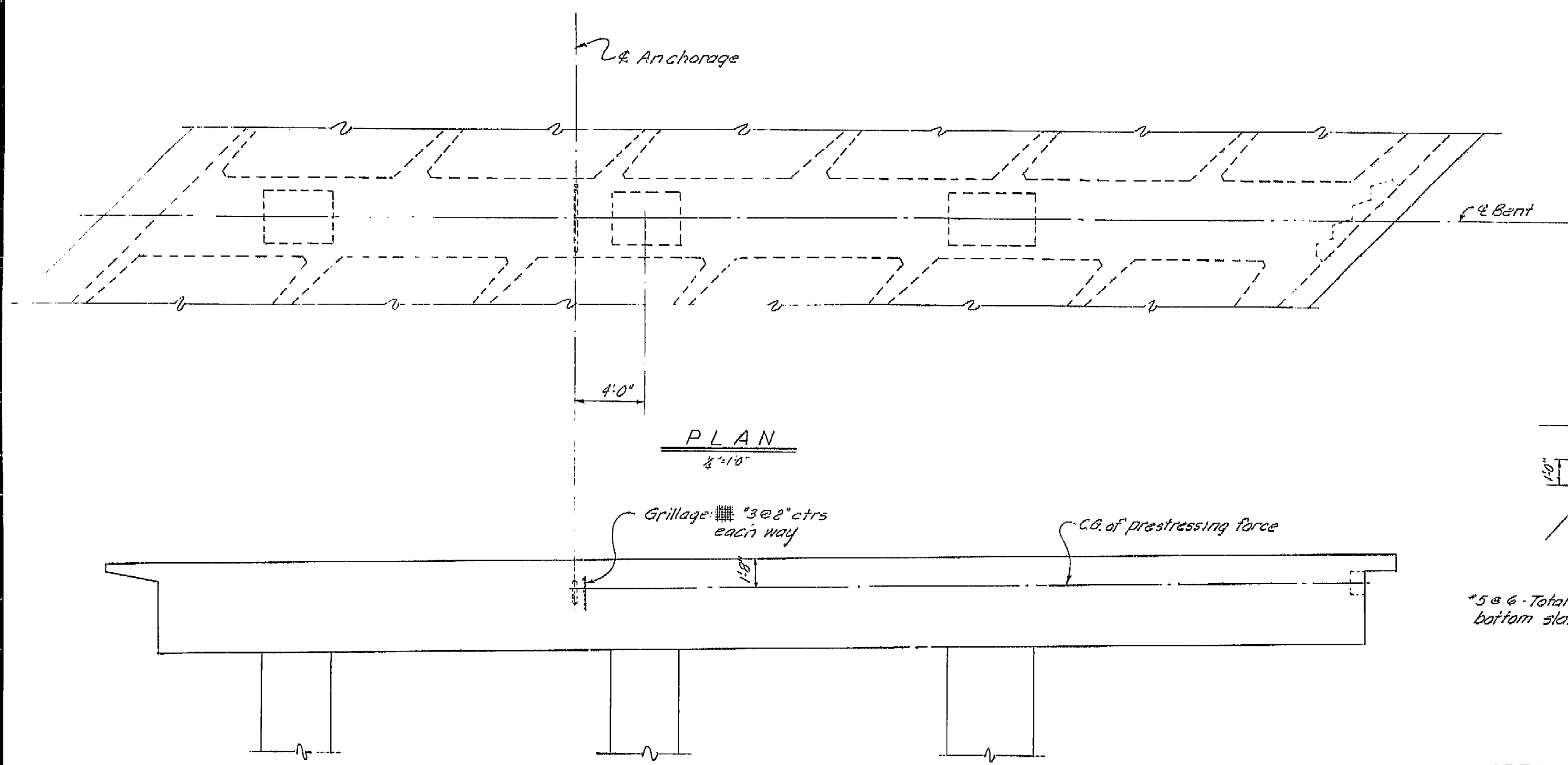
U-006-2(6)

F-006-2(5)

FED. ROAD DIV. NO.	STATE	F. A. PROJECT NO.	SHEET NO.	TOTAL SHEETS
7	CALIF.		186	424

DATE	COUNTY	ROUTE	SECTION	SHEET NO.	TOTAL SHEETS
VI Fre 99	Fre	99		186	424

DATE APPROVED August 28, 1961

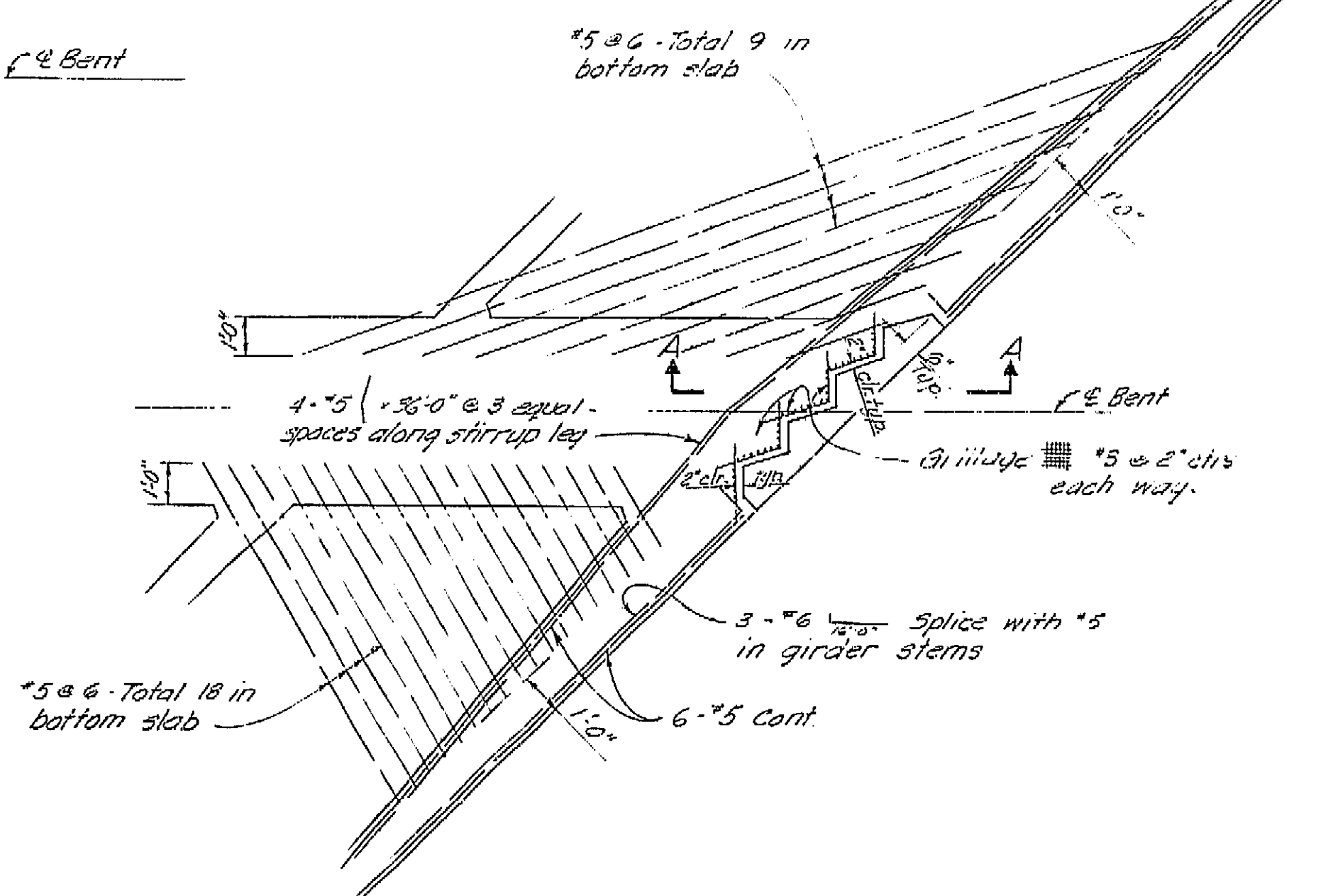


PLAN
1/4" = 1'-0"

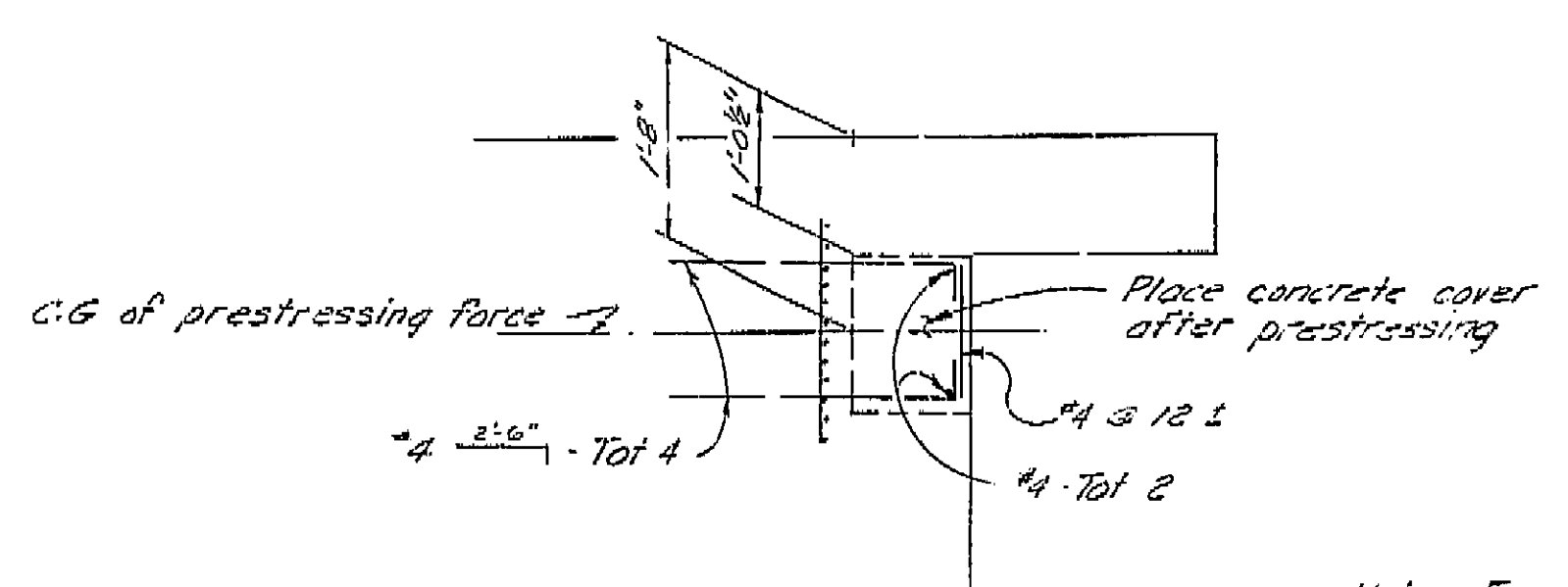
ELEVATION
1/4" = 1'-0"

PRESTRESSING NOTES

Working Force = 785,000 lbs. (The force remaining after all losses including those due to creep and shrinkage of concrete and creep of steel have occurred).
The loss in stress in the prestressing steel due to shrinkage and creep and sequence stressing shall be assumed to be 24,000 p.s.i.
In addition to the 24,000 p.s.i. loss noted above, provision shall be made for losses due to friction, anchorage takeup and other losses peculiar to the system of prestressing used.
Concrete: $f'_c = 3,000$ p.s.i. minimum ultimate at 28 days
 $f'_{ci} = 3,000$ p.s.i. @ time of stressing
Prestressing Steel: See "Special Provisions"
Stressing Procedure: Approximately one-third of the prestressing force shall be applied before the top slab is placed by stressing units nearest the center of the cap. After the top slab is in place, these units shall be restressed.



SPECIAL REINFORCEMENT AT RIGHT EXTERIOR GIRDER
3/8" = 1'-0"



SECTION A - A
3/8" = 1'-0"

Note: For details not shown see "Bent 3 Left Bridge - Details I" sheet

AS BUILT PLANS
Contract No. 62-6T13C3
Date Completed
Document No. 60001062

BRIDGE DEPARTMENT	
DESIGN SECTION 2	
Project Designer: E. C. Berry	
Chief Designer: W. D. Macdonald	
DESIGN	W. D. Berry 1/20
DETAILS	W. D. Berry 1/20
QUANTITIES	W. D. Berry 1/20
SPECIFICATIONS	W. D. Berry 1/20

STATE OF CALIFORNIA DEPARTMENT OF PUBLIC WORKS DIVISION OF HIGHWAYS	
SOUTH CALWA OVERHEAD	
BENT 3 LEFT BRIDGE-DETAILS II	
SCALE: AS NOTED	BRIDGE 42-208
FILE	DRAWING C-6735-7

Disregard prints bearing earlier numbers PREL. DRAWING NO. P-6735 78 33 416

I HEREBY CERTIFY THAT THIS IS A TRUE AND ACCURATE COPY OF THE ABOVE DOCUMENT TAKEN UNDER MY DIRECTION AND CONTROL ON THIS DATE IN SACRAMENTO, CALIFORNIA PURSUANT TO AUTHORIZATION BY THE DIRECTOR OF PUBLIC WORKS.
DATE 12-10-62 SIGNATURE E. C. Berry TITLE

186

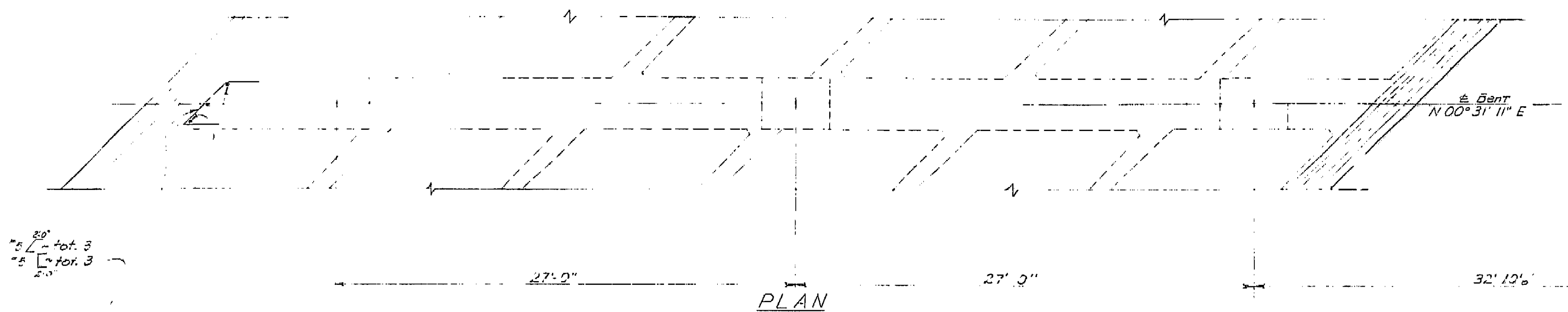
U-006-2(6) F-006-2(5)

FED. ROAD DIST. NO.	STATE	F. A. PROJECT NO.	SHEET NO.	TOTAL SHEETS
7	CALIF.		184	484

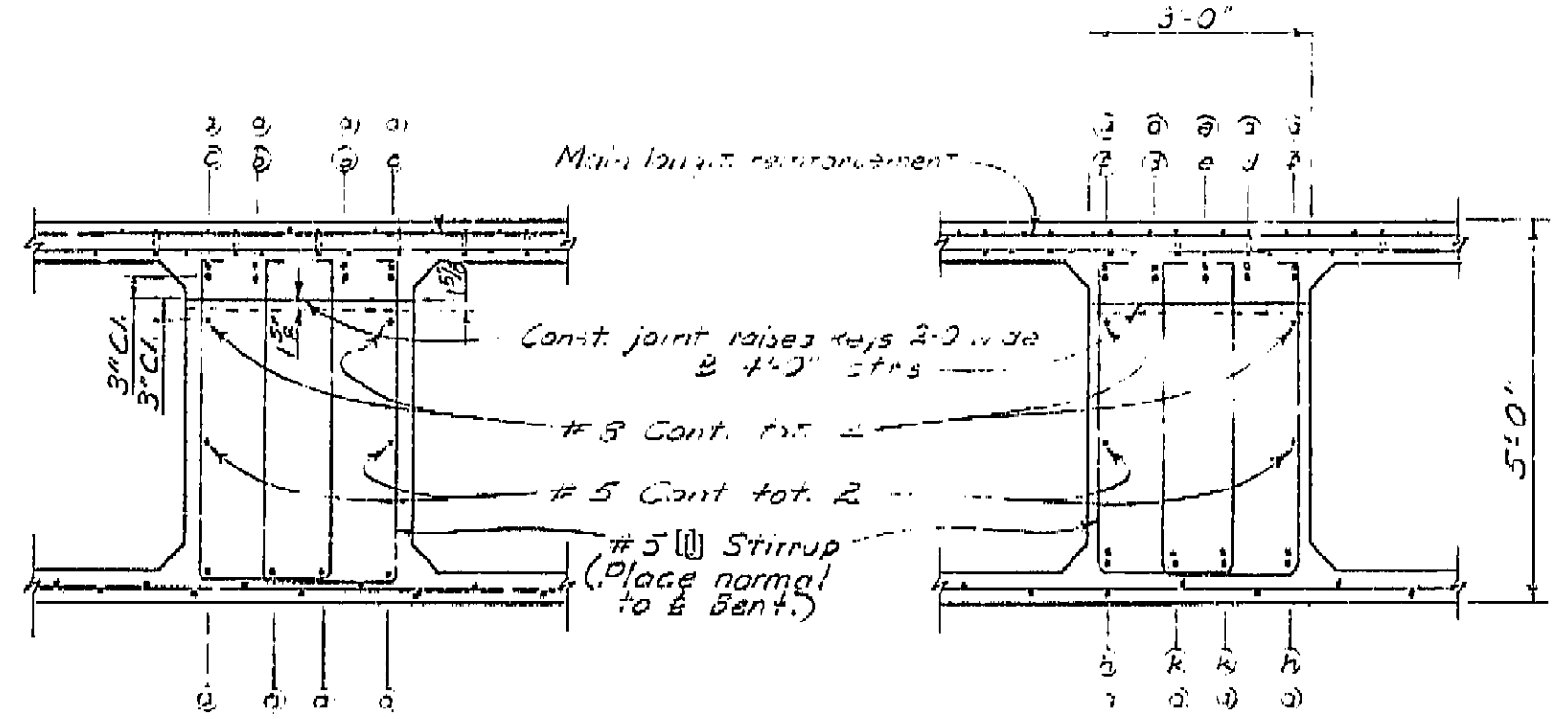
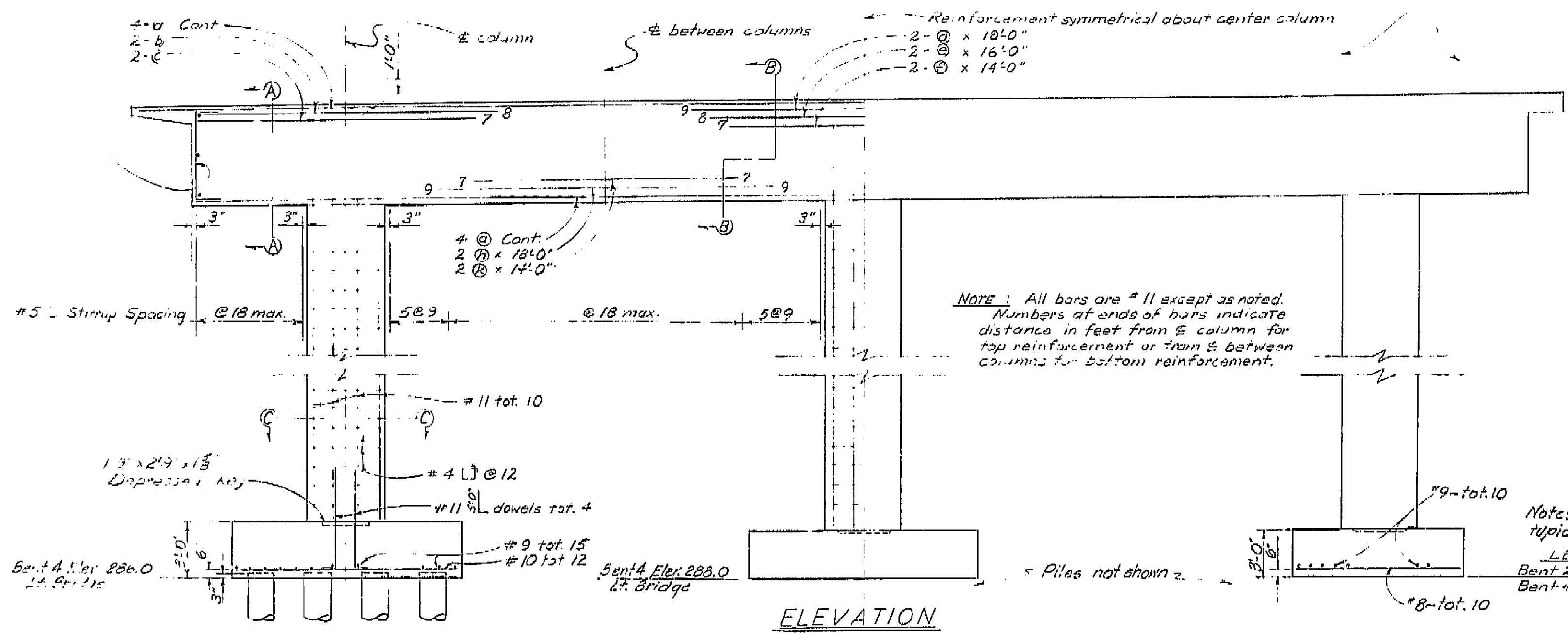
VI Fre 99

DIST.	COUNTY	ROW	SECTION	SHEET NO.	TOTAL SHEETS
VI	Fre	99		15	

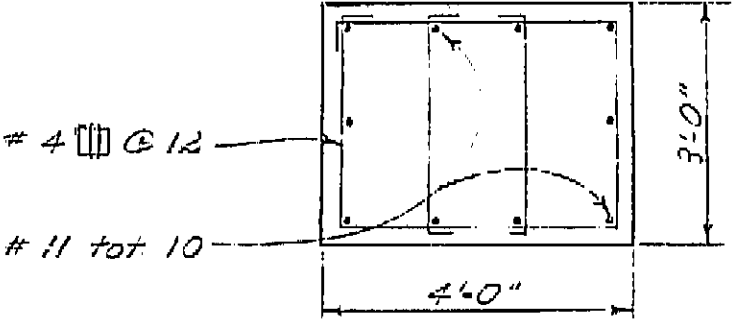
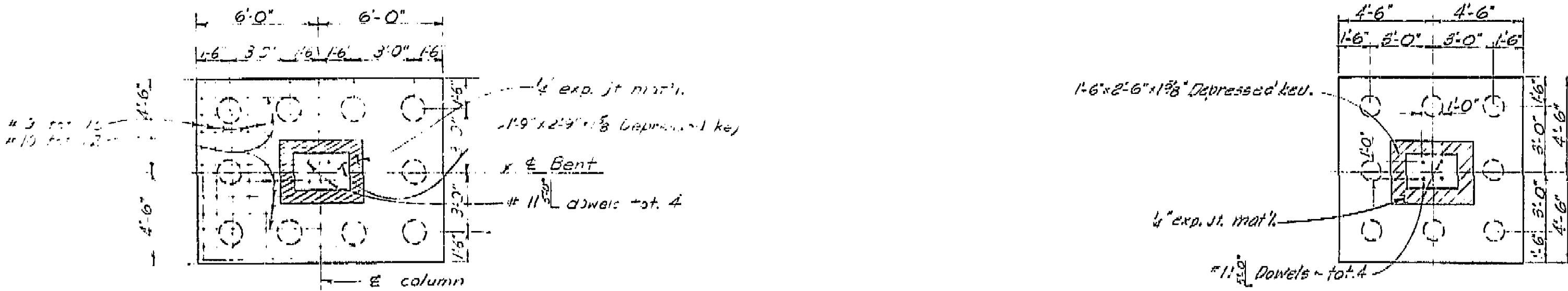
DATE APPROVED August 28, 1961



Note: Typical Bent Bridge - (See Bent 3 shown)
Typical Bent Bridge - (See Bent 4 shown)
Bent 2 shown



Note: bottom of fig. elevations typical except as noted.
LEFT BRIDGE RIGHT BRIDGE
Bent 2 Elev. 281.5 Bent 2 Elev. 281.5
Bent 4 Elev. 288.0 Bent 3 Elev. 282.5



AS BUILT PLANS
Contract No. 62-6713-3
Date Completed
Document No. 60001062

BENT 2-LT. BRIDGE
BENTS 2+3-RT. BRIDGE

BENT 4-LT. BRIDGE

FOOTING PLAN

BRIDGE DEPARTMENT DESIGN SECTION 2		STATE OF CALIFORNIA DEPARTMENT OF PUBLIC WORKS DIVISION OF HIGHWAYS	
Project Designer: <i>[Signature]</i> Chief Designer: <i>[Signature]</i>		SOUTH CALWA OVERHEAD	
DESIGN: <i>[Signature]</i> DETAILS: <i>[Signature]</i> QUANTITIES: <i>[Signature]</i> SPECIFICATIONS: <i>[Signature]</i>		BENT DETAILS	
Approval Recommended by: <i>[Signature]</i> Checked by: <i>[Signature]</i>		SCALE: 1" = 10' 0"	

I HEREBY CERTIFY THAT THIS IS A TRUE AND ACCURATE COPY OF THE ABOVE DOCUMENT TAKEN UNDER MY DIRECTION AND CONTROL ON THIS DATE IN SACRAMENTO, CALIFORNIA PURSUANT TO AUTHORIZATION BY THE DIRECTOR OF PUBLIC WORKS.
DATE 12-12-62 SIGNATURE *[Signature]* TITLE *[Title]*

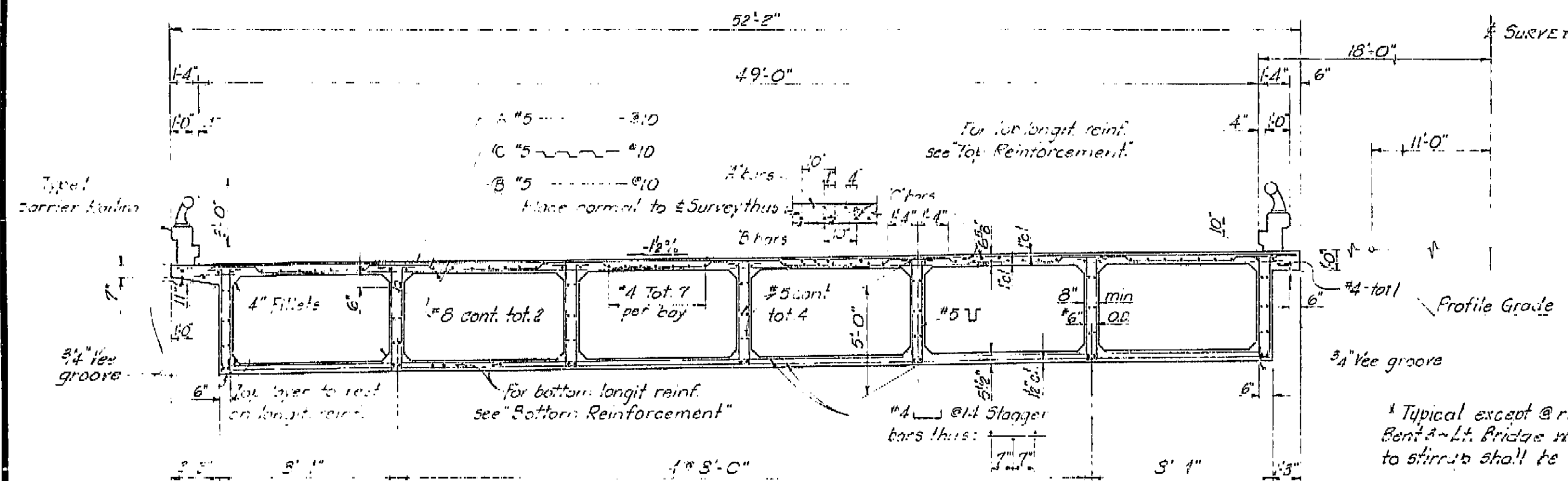
U-006-2(6) F-006-2(5)

FED. ROAD DIST. NO.	STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
7	CALIF.		187	424

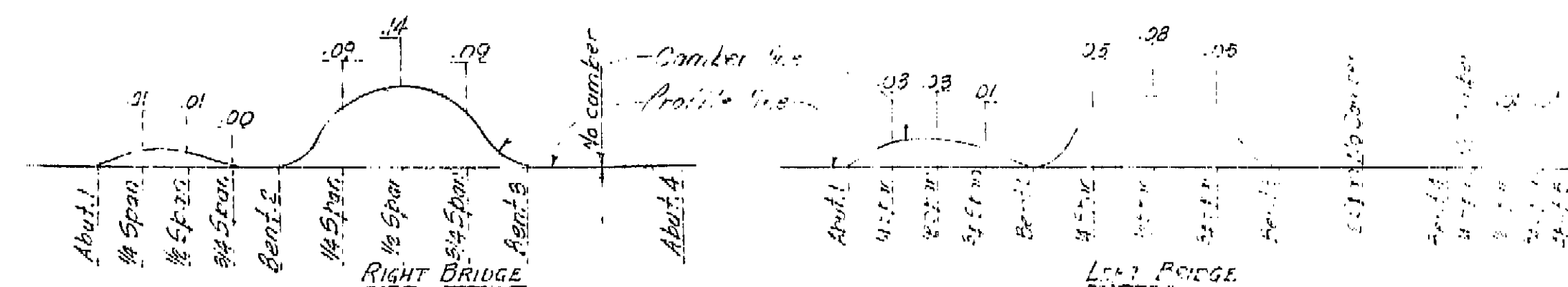
VI Fre 99

DIST.	COUNTY	ROUTE	SECTION	SHEET NO.	TOTAL SHEETS
VI	Fre	99		187	424

DATE APPROVED August 28, 1961

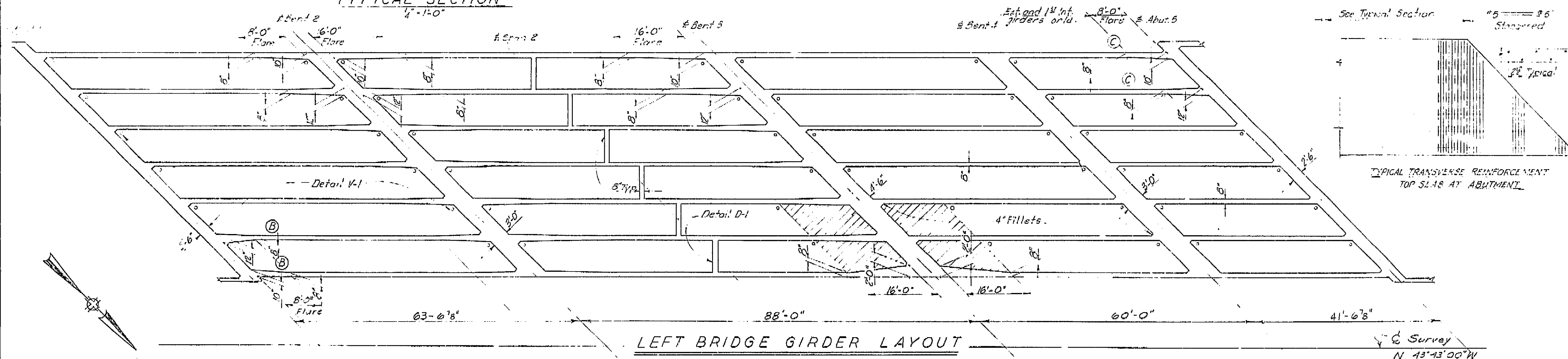


TYPICAL SECTION

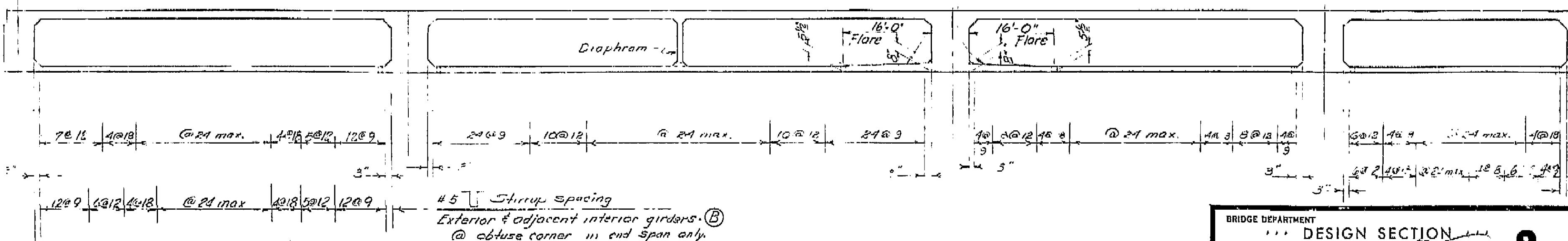


CAMBER DIAGRAM

Note: The total deflection will be reached about 1 year after falsework removal for values at time of falsework removal, divide them shown by 4. The amount of camber for construction will be determined by the Engineer.



LEFT BRIDGE GIRDER LAYOUT



LEFT BRIDGE LONGITUDINAL SECTION

AS BUILT PLANS
Contract No. 62-6713C3
Date Completed
Document No. 60001062

BRIDGE DEPARTMENT		DESIGN SECTION		2	
Project Designer: <i>[Signature]</i>					
Chief Designer: <i>[Signature]</i>					
DESIGN	By: <i>[Signature]</i>	Checked: E.D. Berry	By: <i>[Signature]</i>	Checked: E.D. Berry	By: <i>[Signature]</i>
DETAILS	By: <i>[Signature]</i>	Checked: E.D. Berry	By: <i>[Signature]</i>	Checked: E.D. Berry	By: <i>[Signature]</i>
QUANTITIES	By: <i>[Signature]</i>	Checked: D.P. Felt	By: <i>[Signature]</i>	Checked: D.P. Felt	By: <i>[Signature]</i>
SPECIFICATIONS	By: <i>[Signature]</i>	Checked: D.P. Felt	By: <i>[Signature]</i>	Checked: D.P. Felt	By: <i>[Signature]</i>
Approval Recommended by: <i>[Signature]</i>					
State of California DEPARTMENT OF PUBLIC WORKS DIVISION OF HIGHWAYS					
SOUTH CALWA OVERHEAD					
TYPICAL SECTION & GIRDER LAYOUT I					
SCALE: As noted					
BRIDGE 40-808-2					
DRAWING C-6735-8					

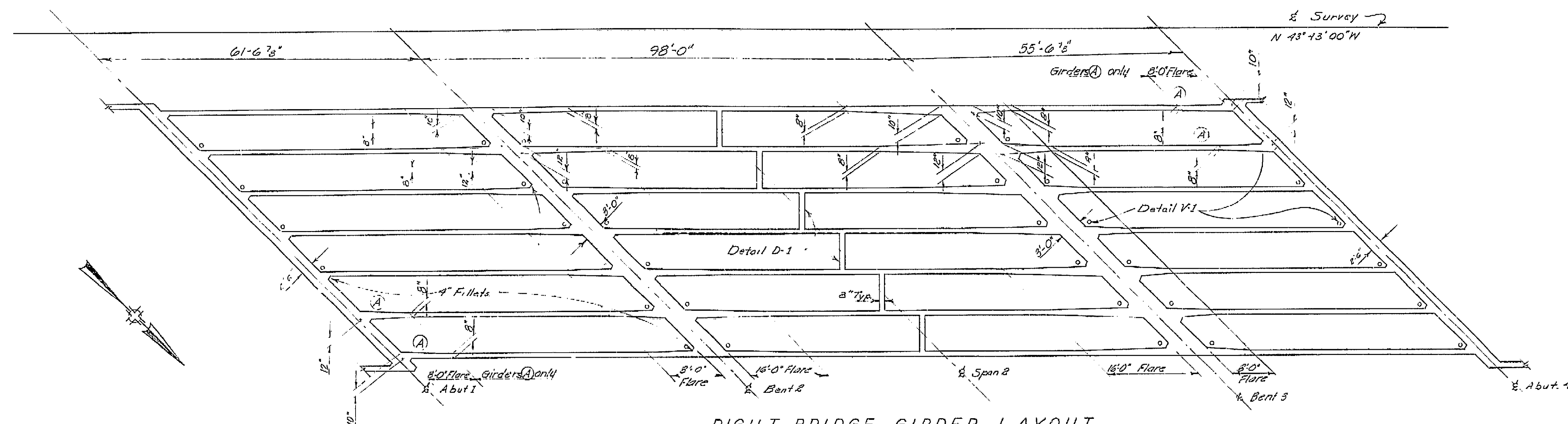
I HEREBY CERTIFY THAT THIS IS A TRUE AND ACCURATE COPY OF THE ABOVE DOCUMENT TAKEN UNDER MY DIRECTION AND CONTROL ON THIS DATE IN SACRAMENTO, CALIFORNIA PURSUANT TO AUTHORIZATION BY THE DIRECTOR OF PUBLIC WORKS.

DATE: 11/12/62 SIGNATURE: *[Signature]* TITLE: *[Title]*

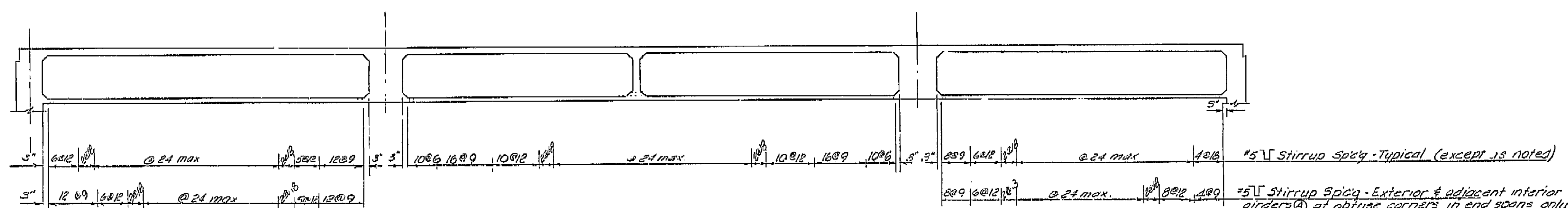
FED. ROAD DIV. NO.	STATE	F. A. PROJECT NO.	SHEET NO.	TOTAL SHEETS
7	CALIF.		188	42

DIST.	COUNTY	ROUTE	SECTION	SHEET NO.	TOTAL SHEETS
HI	FF	5	1	1	15

BRIDGE ENGINEER CIVIL ENGINEER—LICENSE 9



No Scale



RIGHT BRIDGE LONGITUDINAL SECTION

no style

AS BUILT PLANS

Contract No. 62-6713C3

Date Completed

Document No. 60001062

BRIDGE DEPARTMENT		DESIGN SECTION		2
Project Designer		<i>W. J. Sullivan</i>		
Chief Designer		<i>W. J. Sullivan</i>		
DESIGN	By <i>E. D. Berry</i>	Checked <i>W. J. Sullivan</i>		
DETAILS	By <i>T. J. Super</i>	Checked <i>W. J. Sullivan</i>		
QUANTITIES	By <i>Kay</i>	Checked <i>D. P. Pollock</i>		
SPECIFICATIONS	By	Checked		
Approval Recommended by <i>W. J. Sullivan</i>		Drawn and Entered		

STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC WORKS
DIVISION OF HIGHWAYS

1000

SOUTH CALWA OVERHEAD

GIRDER LAYOUT II

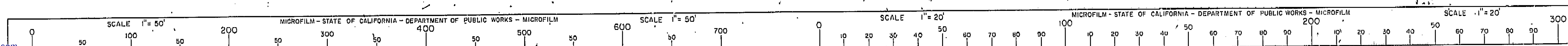
SCALE <i>None</i>	BRIDGE <i>12-104-10</i>	FILE	DRAWING <i>C-6735-9</i>
-------------------	-------------------------	------	-------------------------

Disregard prints bearing earlier number

PREL. DRAWING No. P- 6735	2	17	21	35	38						
---------------------------	--------------	---------------	---------------	---------------	----	--	--	--	--	--	--

I HEREBY CERTIFY THAT THIS IS A TRUE AND ACCURATE COPY OF THE ABOVE DOCUMENT TAKEN UNDER MY DIRECTION AND CONTROL ON THIS DATE IN SACRAMENTO, CALIFORNIA PURSUANT TO AUTHORIZATION BY THE DIRECTOR OF PUBLIC WORKS.

DATE 1-1-82 SIGNATURE [Signature] TITLE [Signature]



VI Fre 99

DATE APPROVED August 28, 1961

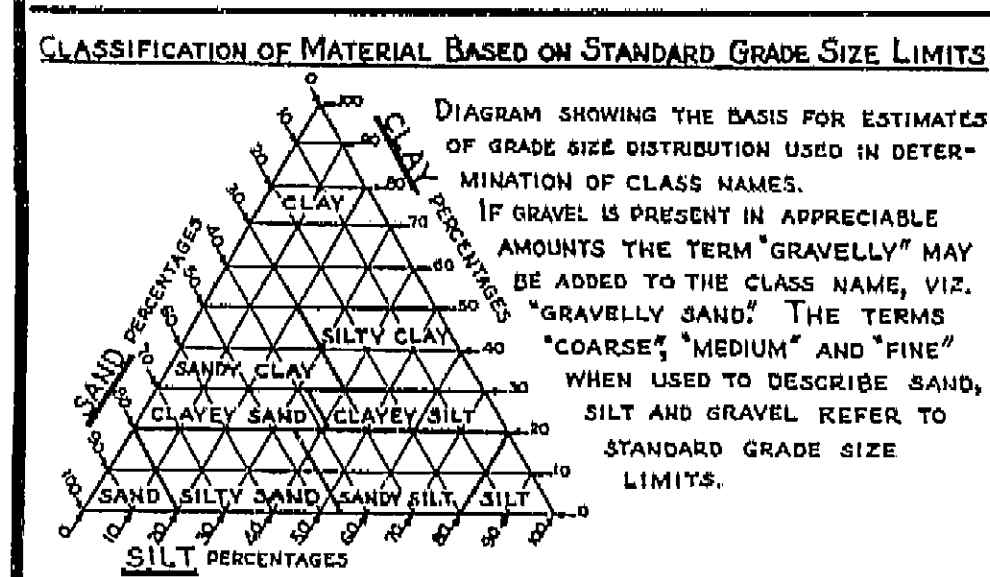
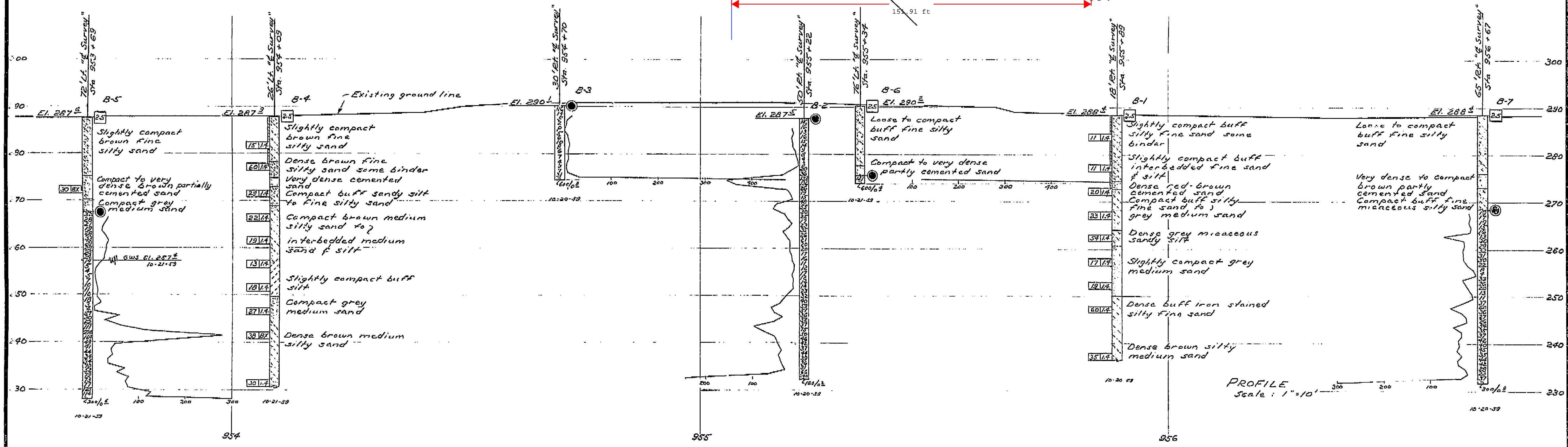
AS BUILT PLANS
Contract No. 62-6T13C3
Date Completed
Document No. 60001062

BM #93.3 RR spike in TP 2 of 18.5' Lt "E Survey" 953+50 Elev. 289.96

PLAN Scale: 1"=20'

PROFILE Scale: 1"=10'

BRIDGE DEPARTMENT
FIELD SURVEY DRAWN BY: J. B. HAZARD, 10-59
CHECKED BY: N. R. HAGER, 1-60
APPROVED BY: [Signature] 1-60
APPROVED BY: [Signature] 1-60



LEGEND OF EARTH MATERIALS

GRAVEL	SILTY CLAY OR CLAYEY SILT
SAND	PEAT AND/OR ORGANIC MATTER
SILT	FILL MATERIAL
CLAY	IGNEOUS ROCK
SANDY CLAY OR CLAYEY SAND	SEDIMENTARY ROCK
SANDY SILT OR SILTY SAND	METAMORPHIC ROCK

LEGEND OF BORING OPERATIONS

PLAN OF ANY BORING	Top Hole El. 10-21-59
PENETROMETER	Top Hole El. 10-21-59
2 1/4" CONE PENETROMETER	Top Hole El. 10-21-59
SAMPLER BORING (DRY)	Top Hole El. 10-21-59
ROTARY BORING (WET)	Top Hole El. 10-21-59
AUGER BORING (DRY)	Top Hole El. 10-21-59
JET BORING	Top Hole El. 10-21-59
CORE BORING	Top Hole El. 10-21-59
TEST PIT	Top Hole El. 10-21-59

NOTES

Classification of earth material as shown on this sheet is based upon field inspection and is not to be construed to imply mechanical analysis.

STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC WORKS
DIVISION OF HIGHWAYS

SOUTH CALWA OVERHEAD

LOG OF TEST BORINGS

SCALE As Noted BRIDGE 42-208 1/2 FILE E-42 DRAWING 0-6135-15

I HEREBY CERTIFY THAT THIS IS A TRUE AND ACCURATE COPY OF THE ABOVE DOCUMENT TAKEN UNDER MY DIRECTION AND CONTROL ON THIS DATE IN SACRAMENTO, CALIFORNIA PURSUANT TO AUTHORIZATION BY THE DIRECTOR OF PUBLIC WORKS.

DATE 1-61 SIGNATURE [Signature] TITLE [Title]

Revision: 9-22-60
Made #8 bar cont.
in Detail J-1.
E.C.

U-006-2(6) E-006-2(5)

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
7	CALIF.			191	422

DIST.	COUNTY	ROUTE	SECTION	SHEET NO.	TOTAL SHEETS
14	12	22	2	191	422

DATE APPROVED: August 28, 1961

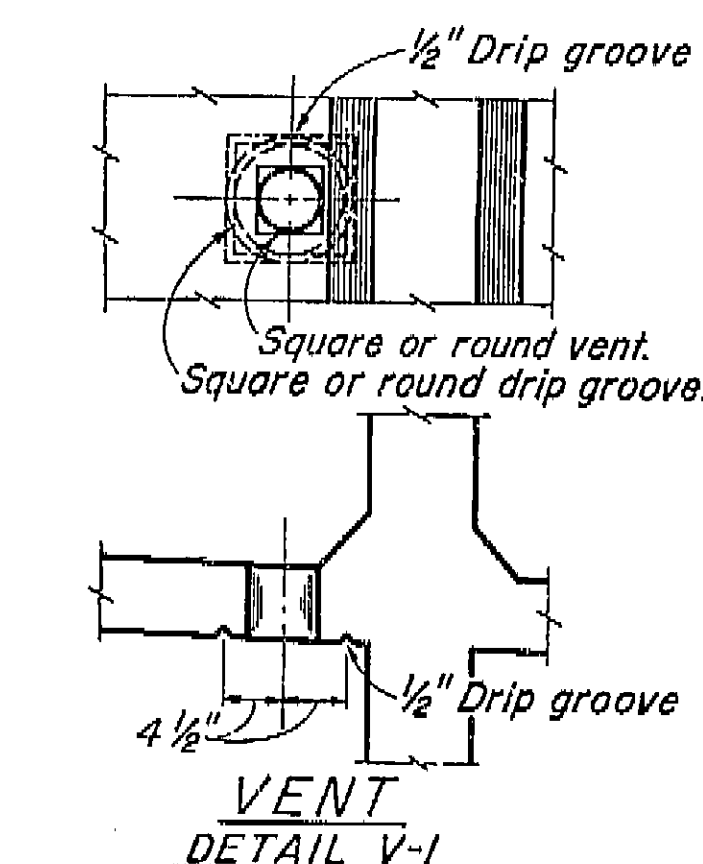
VI Fre 99

1 5/8" x 3" x 1'-0" Raised key in deck slab on low side only, at joints in curb and rail where there is no joint in the deck slab.

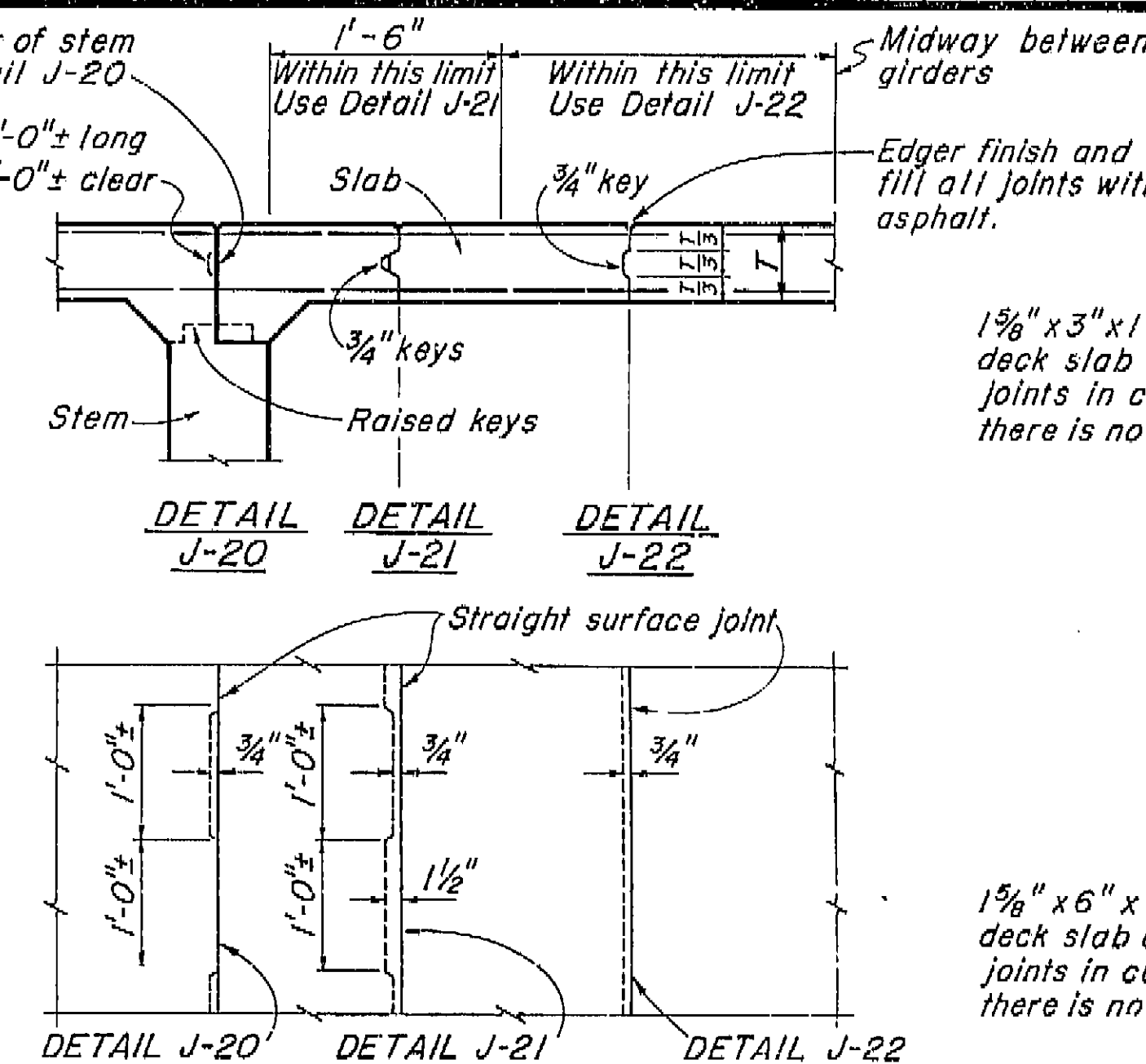
1 5/8" x 6" x 1'-0" Raised key in deck slab on low side only, at joints in curb and rail where there is no joint in the deck slab.

CURB AND SIDEWALK EXPANSION JOINT

DETAIL C-1

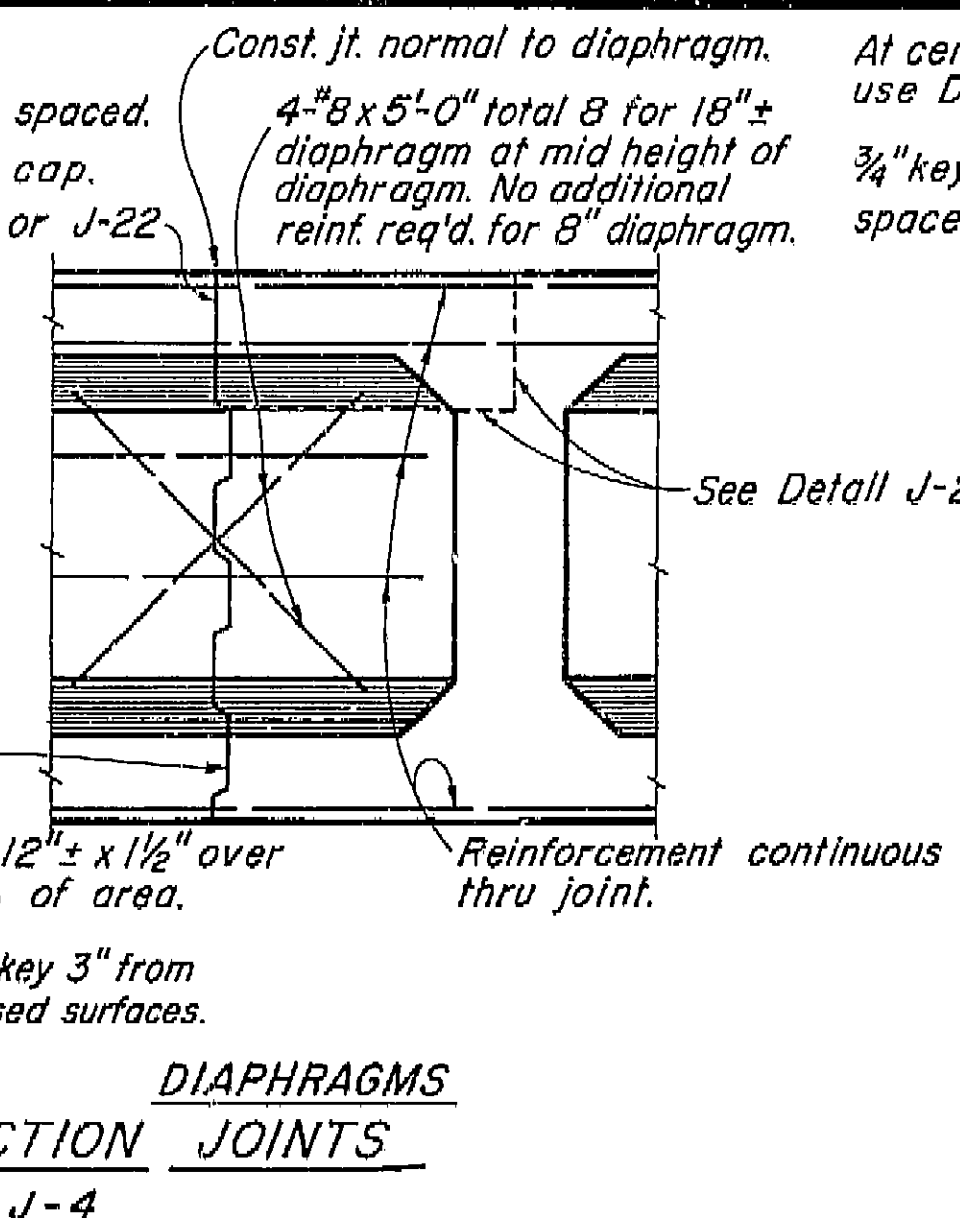


Note:
5" Vent in lower slab.
Min. of two vents per span in each bay between girders. One vent to be located at low point of span and other vent to be located at opposite end of span @ 1'-6" from face of Abutment or Bent. See "Girder Layout".



DECK SLAB LONGITUDINAL CONSTRUCTION JOINTS

Note: Longitudinal construction joints in slab, if required, are to be located at edge of traffic lanes except as approved by the Engineer.



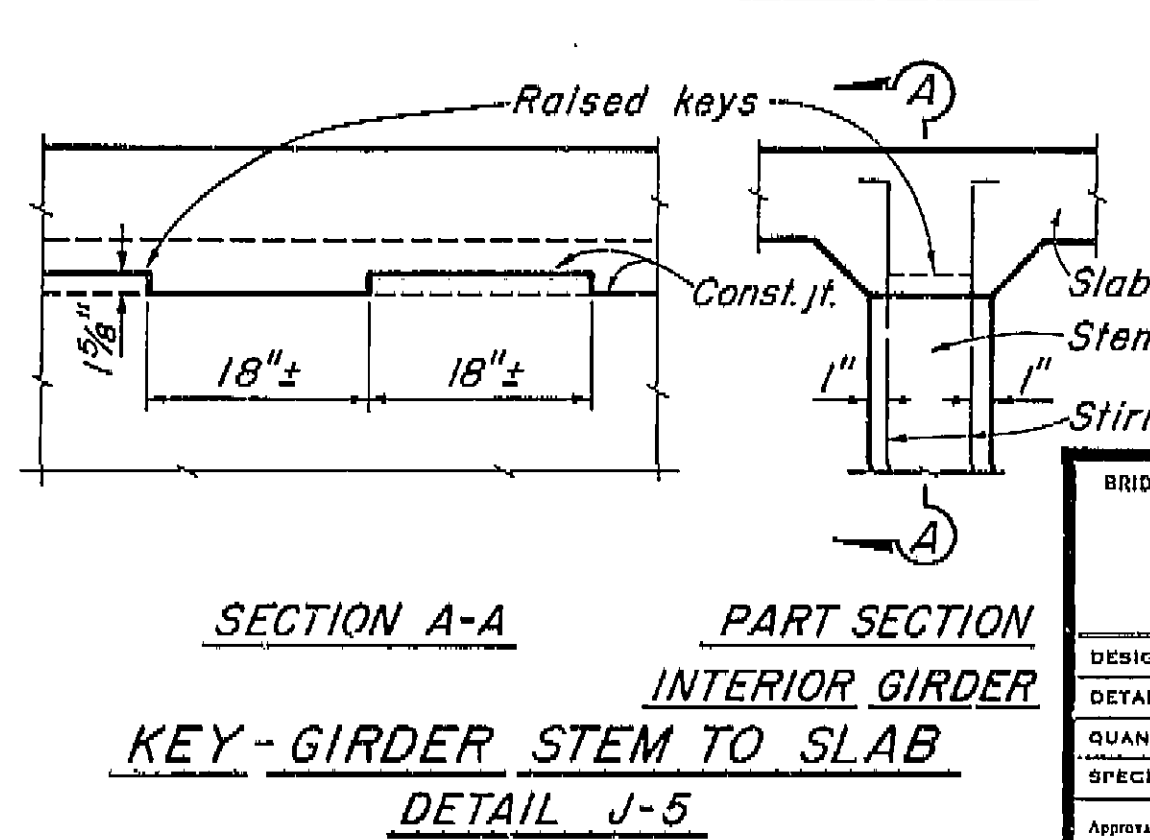
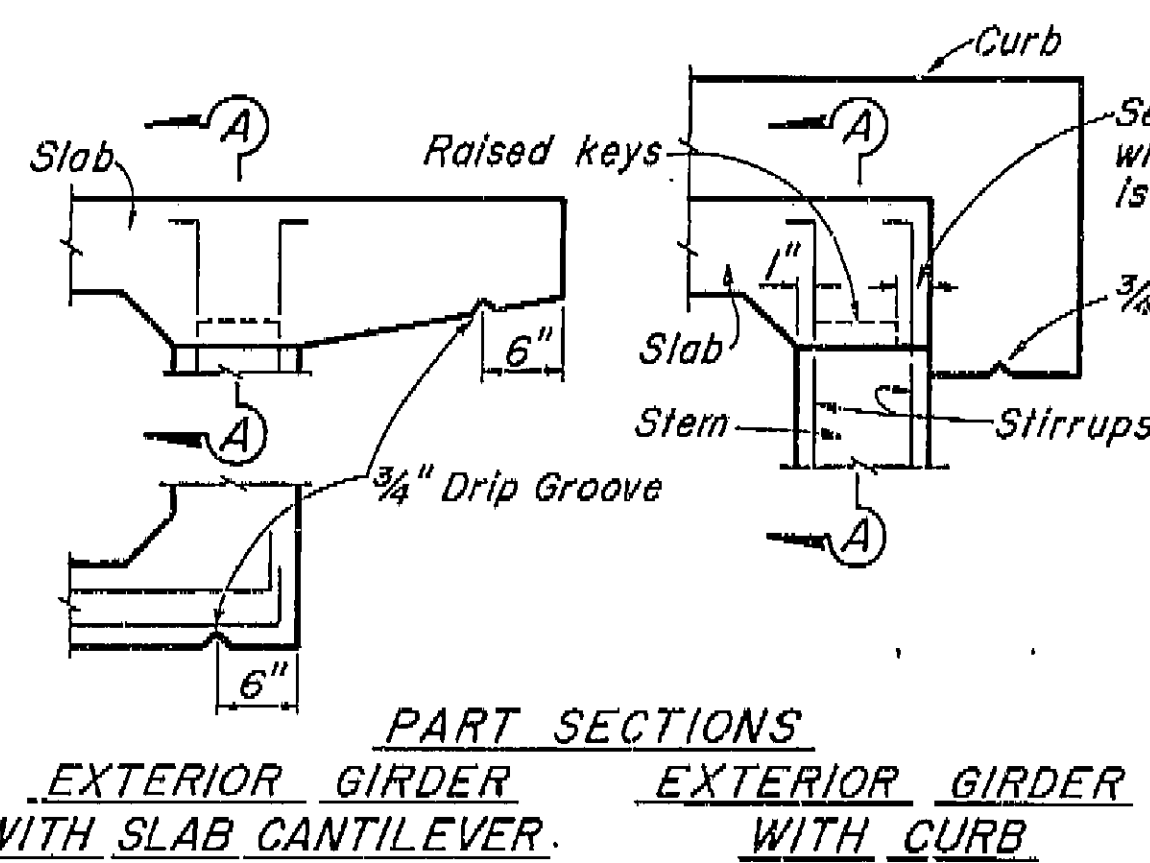
BENT CAP LONGITUDINAL CONSTRUCTION JOINTS

DETAIL J-3

DIAPHRAGMS LONGITUDINAL CONSTRUCTION JOINTS

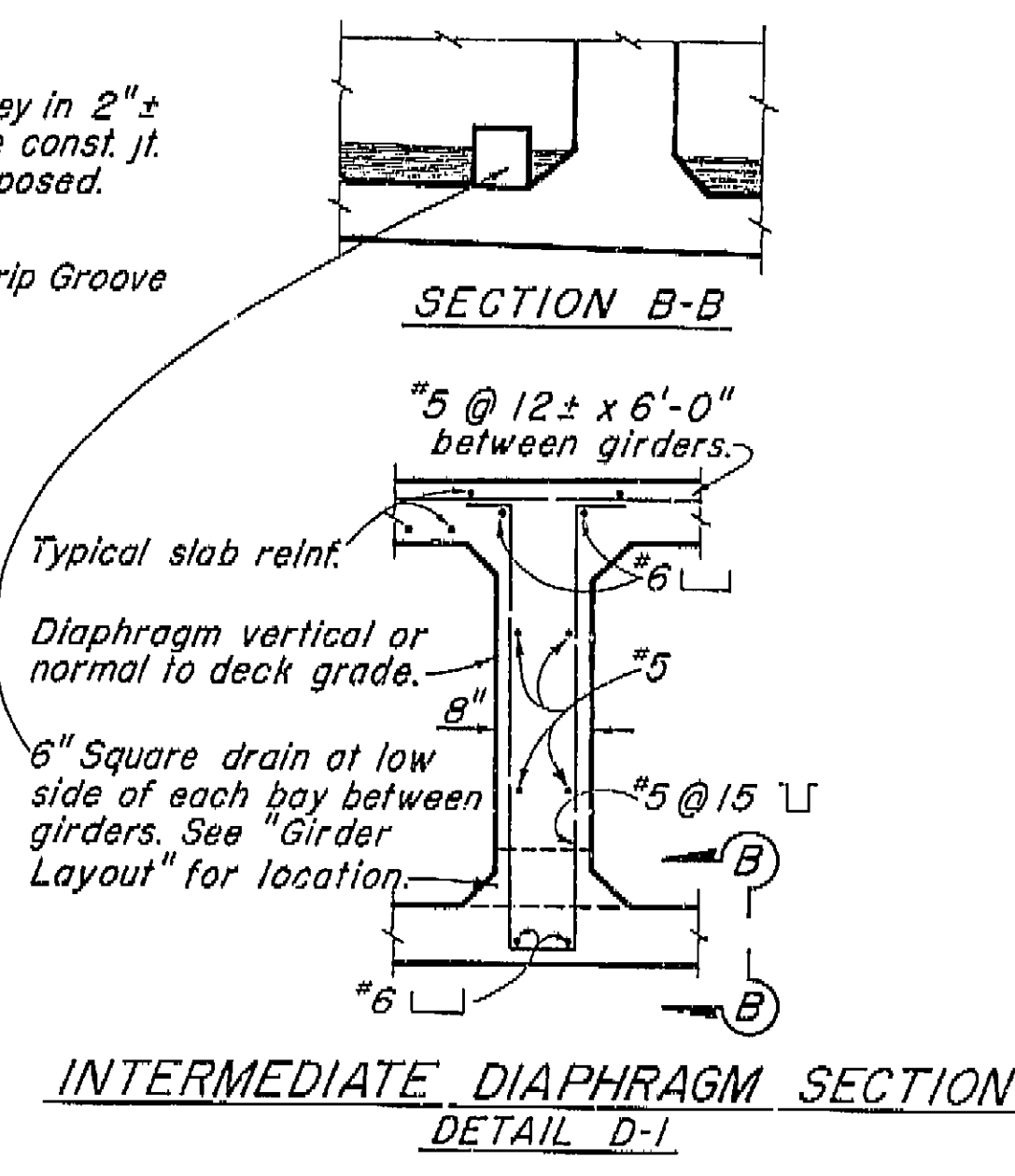
DETAIL J-4

AS BUILT PLANS
Contract No. 62-6T13C3
Date Completed
Document No. 60001062



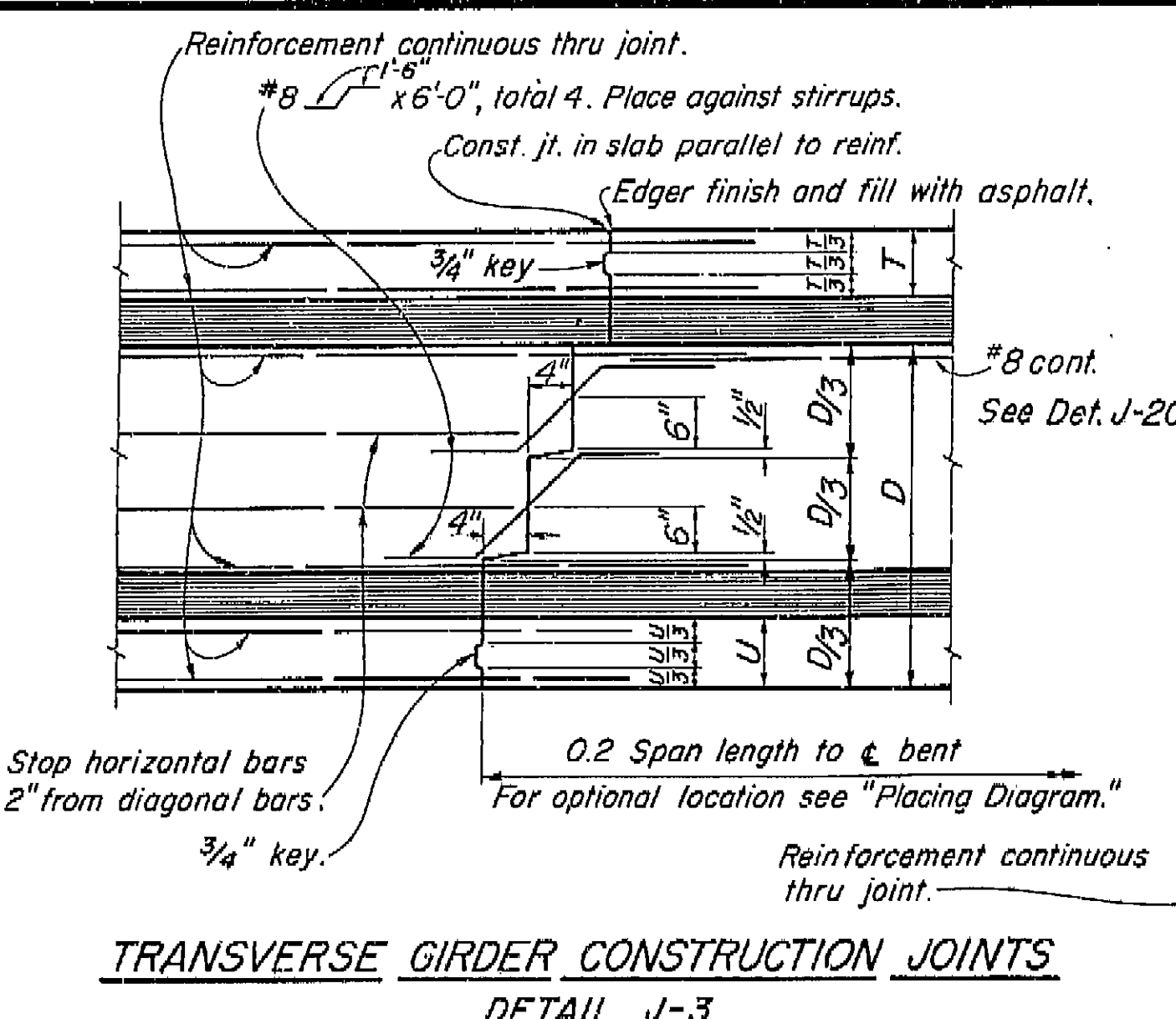
SECTION A-A PART SECTION INTERIOR GIRDER KEY-GIRDER STEM TO SLAB

DETAIL J-5



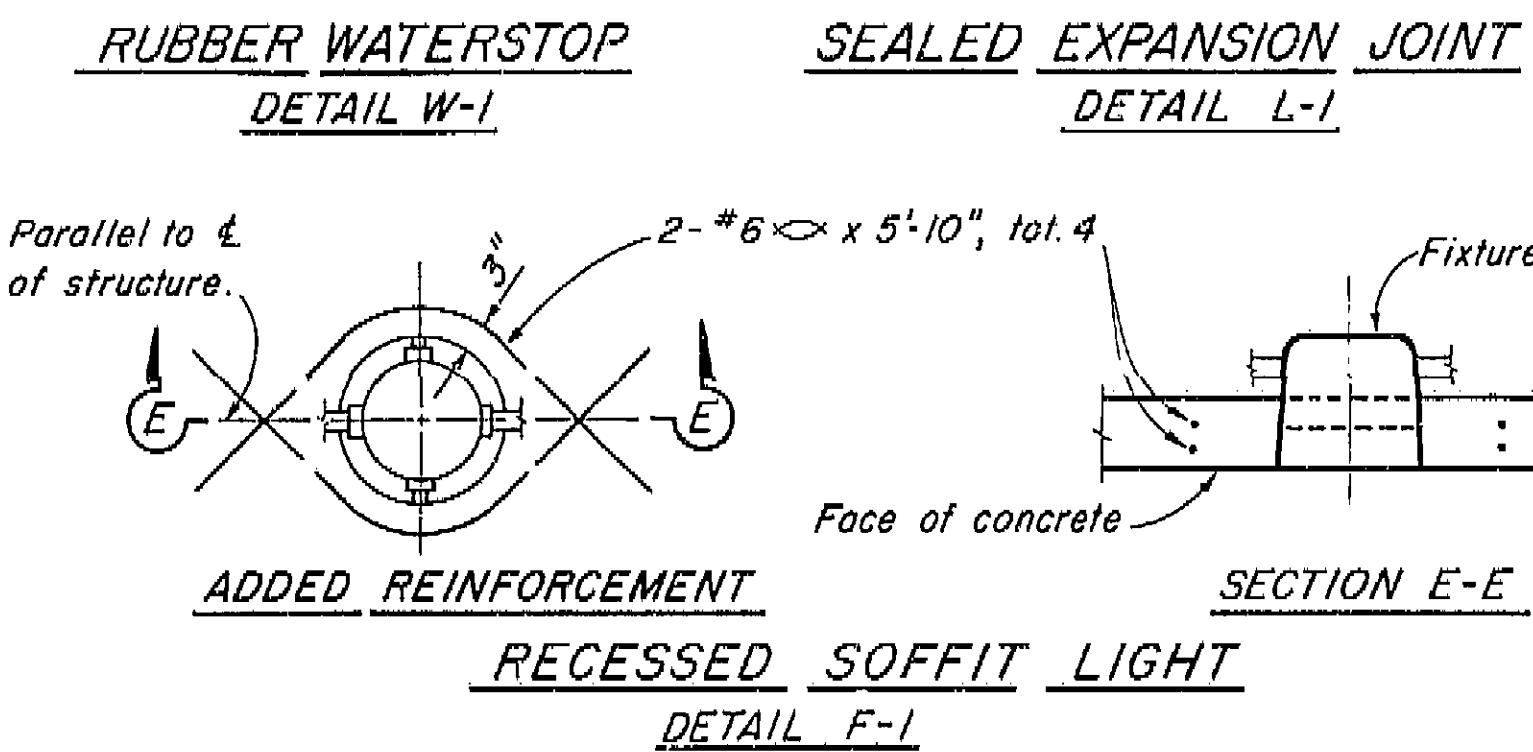
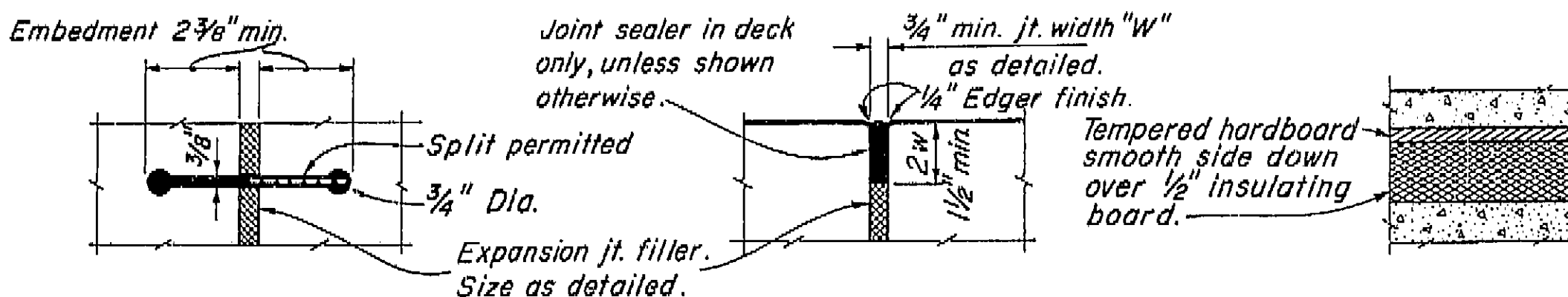
INTERMEDIATE DIAPHRAGM SECTION

DETAIL D-1



TRANSVERSE GIRDER CONSTRUCTION JOINTS

DETAIL J-3



ADDED REINFORCEMENT RECESSED SOFFIT LIGHT

DETAIL F-1

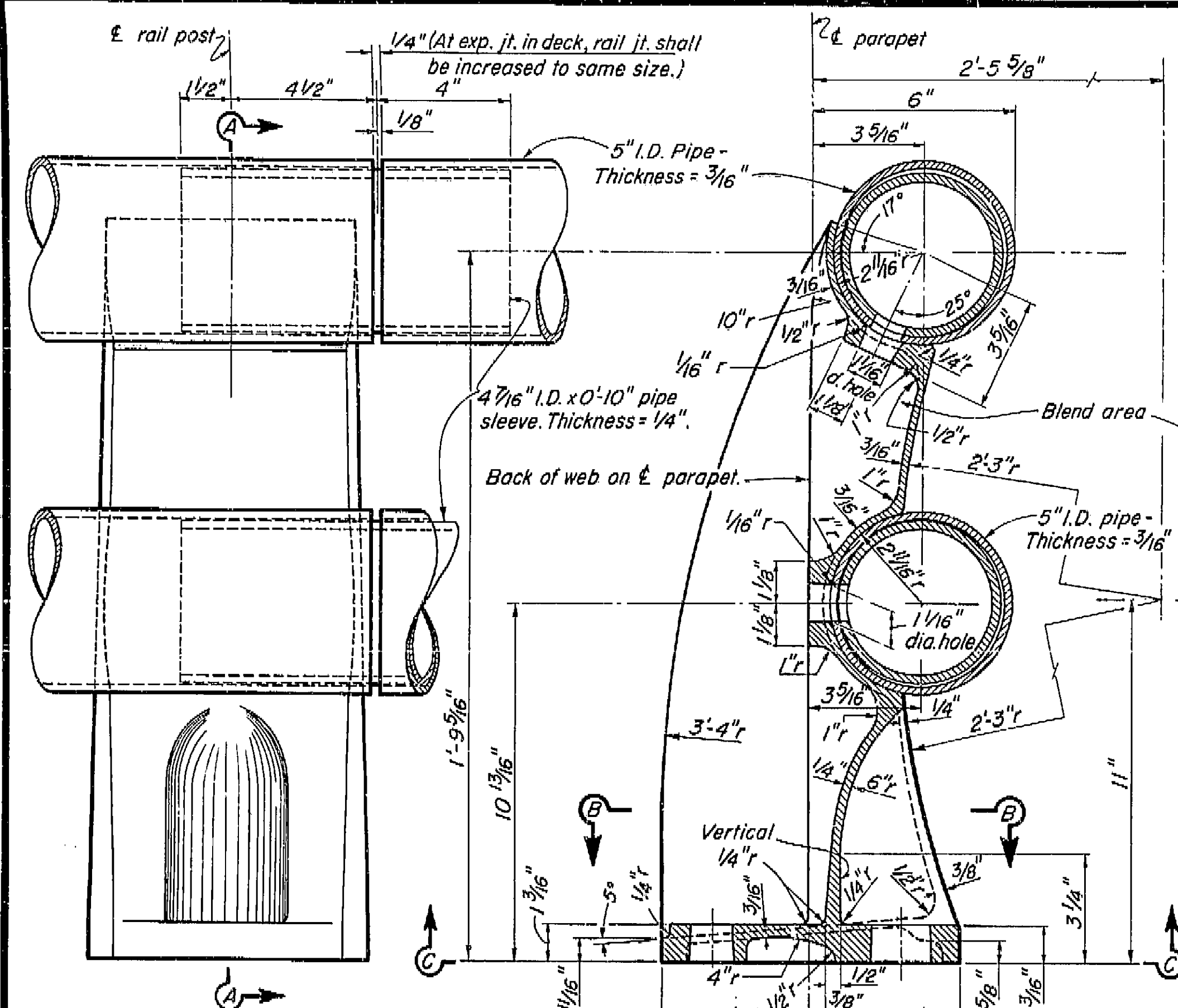
SECTION E-E

BRIDGE DEPARTMENT		DESIGN SECTION		9/60	
Project Designer: [Signature]		Chief Designer: [Signature]		STATE OF CALIFORNIA DEPARTMENT OF PUBLIC WORKS DIVISION OF HIGHWAYS	
DESIGN	By L.D. Rice 1/60	Checked	By E.D. Berry 1/60	SOUTH CALWA OVERHEAD	
DETAILS	By E.D. Berry 1/60	Checked	By E.D. Berry 1/60	STANDARD DETAILS NO. 1 (BOX GIRDER)	
QUANTITIES	By R. [Signature] 1/60	Checked	By D.P. Pollock 1/60	DRAWING C-6735-12	
SPECIFICATIONS	By [Signature]	Checked	By [Signature]	PREL. DRAWING No. P-6735 30	

I HEREBY CERTIFY THAT THIS IS A TRUE AND ACCURATE COPY OF THE ABOVE DOCUMENT TAKEN UNDER MY DIRECTION AND CONTROL ON THIS DATE IN SACRAMENTO, CALIFORNIA PURSUANT TO AUTHORIZATION BY THE DIRECTOR OF PUBLIC WORKS.

DATE: SIGNATURE: TITLE:

W. Added 1/4" r on section A-A & D-D. added 2 3/4" long dim. 1" Rail Connection detail 1-60 RPK



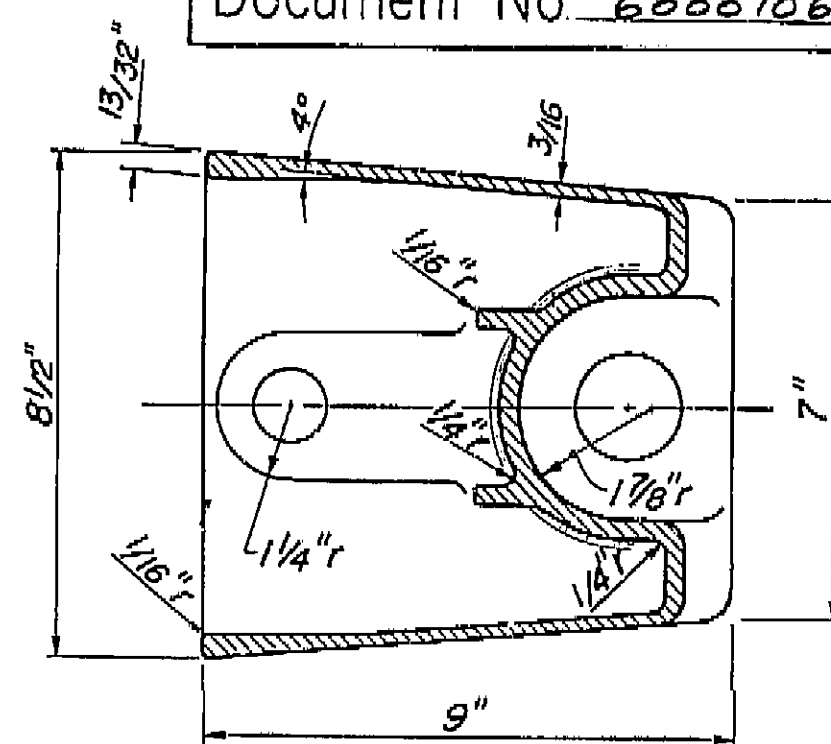
FRONT VIEW

SECTION A-A

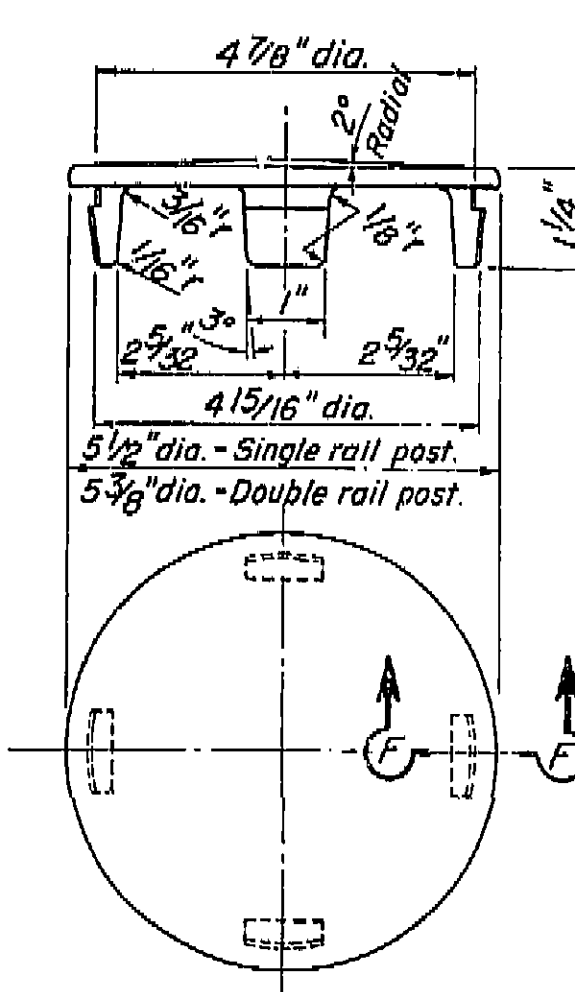
REAR VIEW

DOUBLE RAIL POST

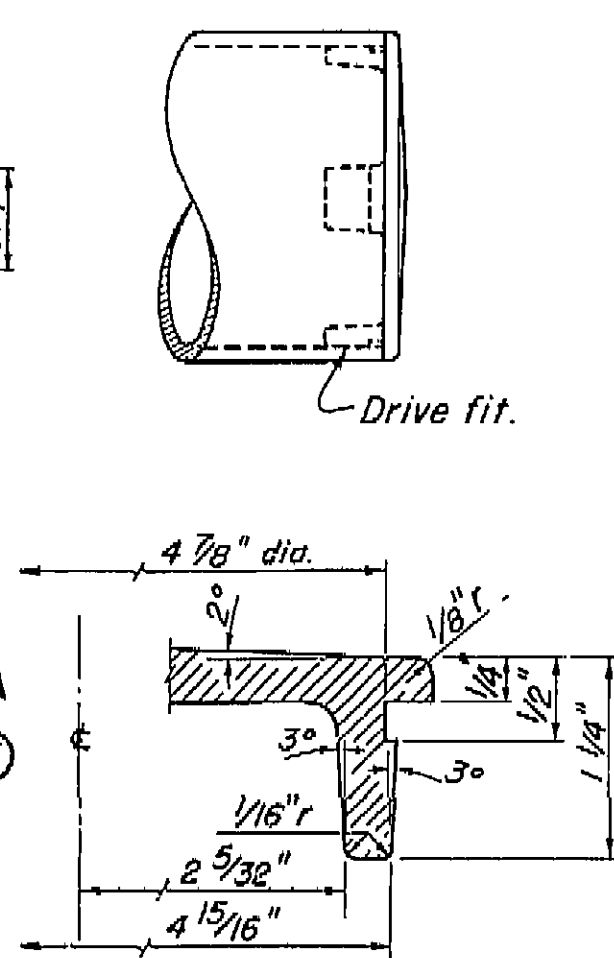
AS BUILT PLANS
Contract No. 62-6713C3
Date Completed
Document No. 60001062



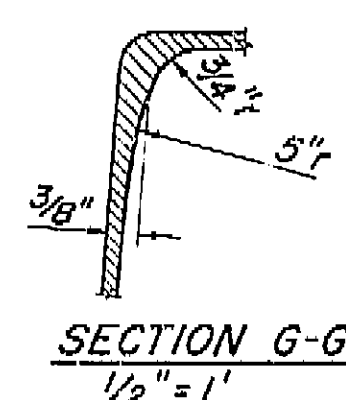
SECTION B-B



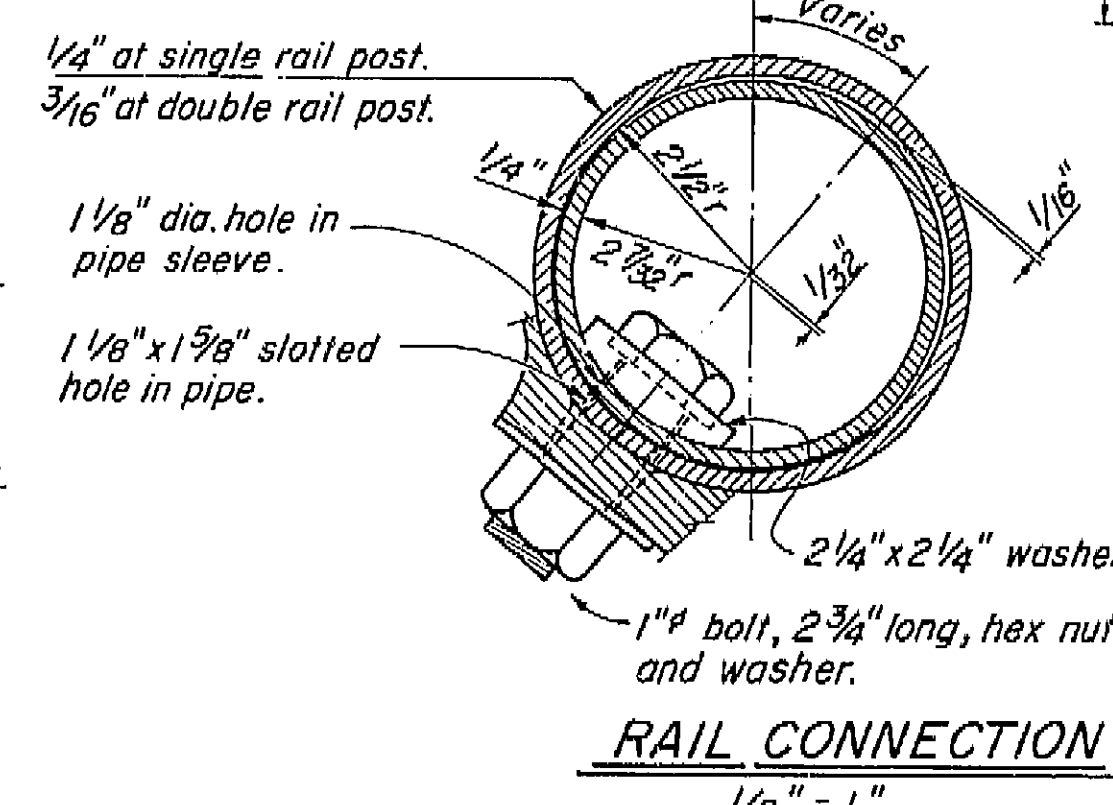
RAIL CAP
1/2" = 1"



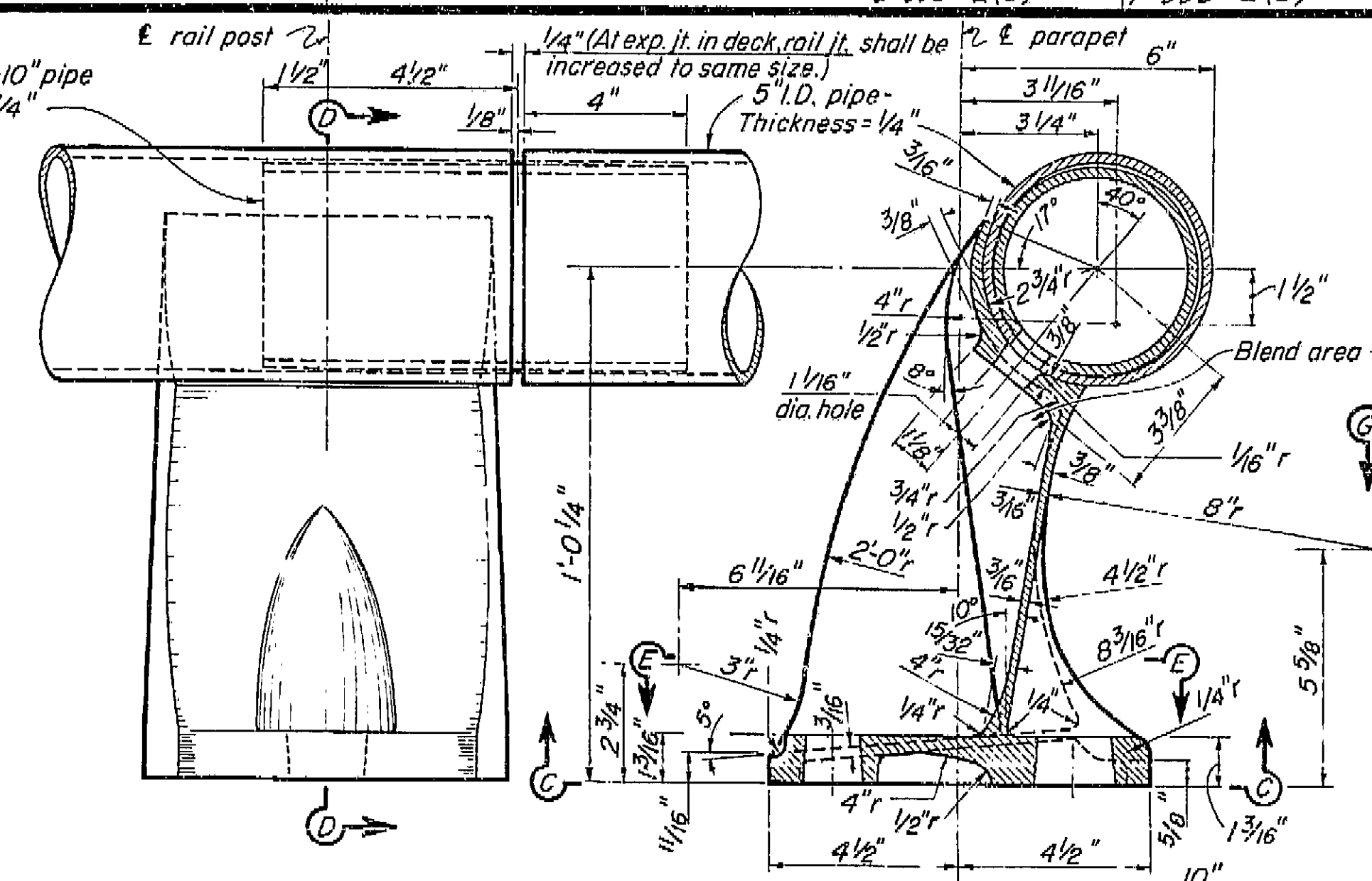
SECTION F-F
1" = 1"



SECTION G-G
1/2" = 1"



RAIL CONNECTION
1/2" = 1"

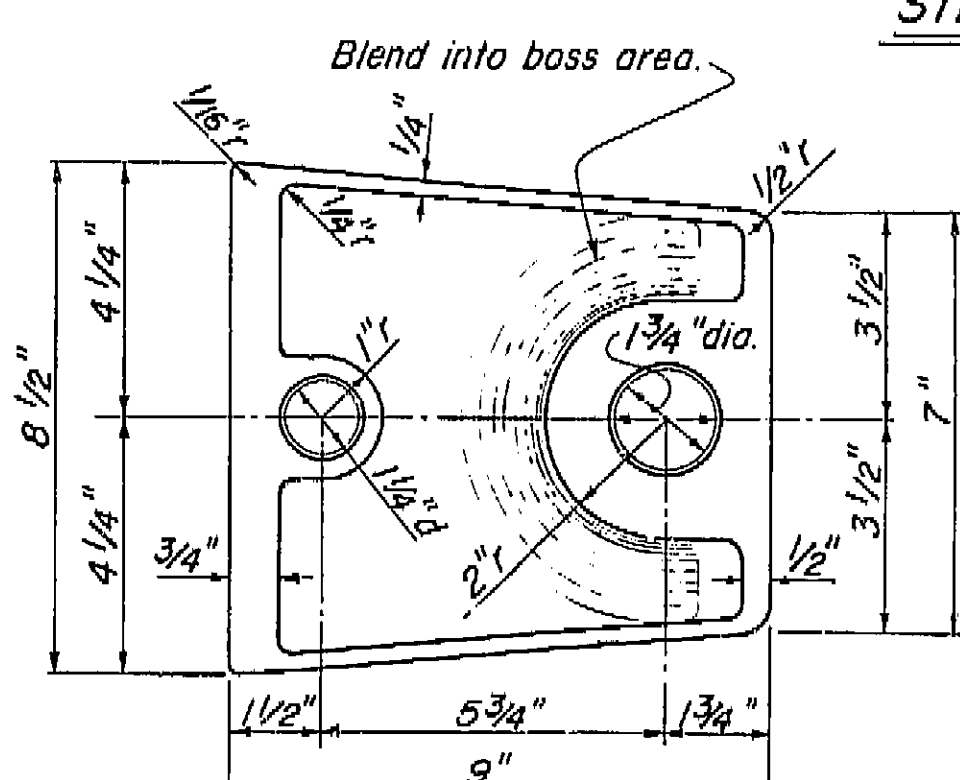


FRONT VIEW

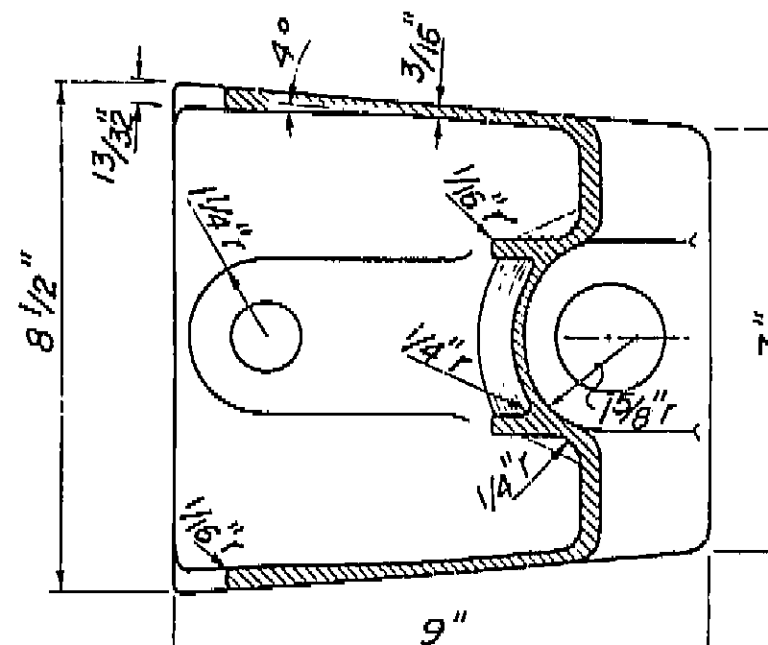
SECTION D-D

REAR VIEW

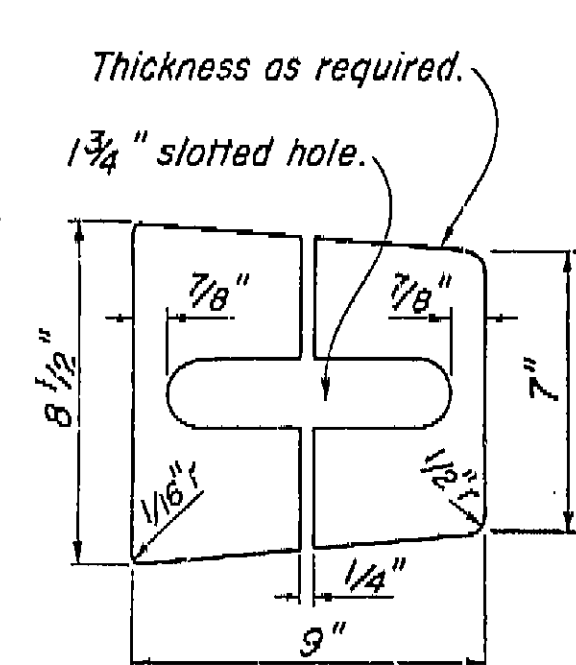
SINGLE RAIL POST



SECTION C-C



SECTION E-E



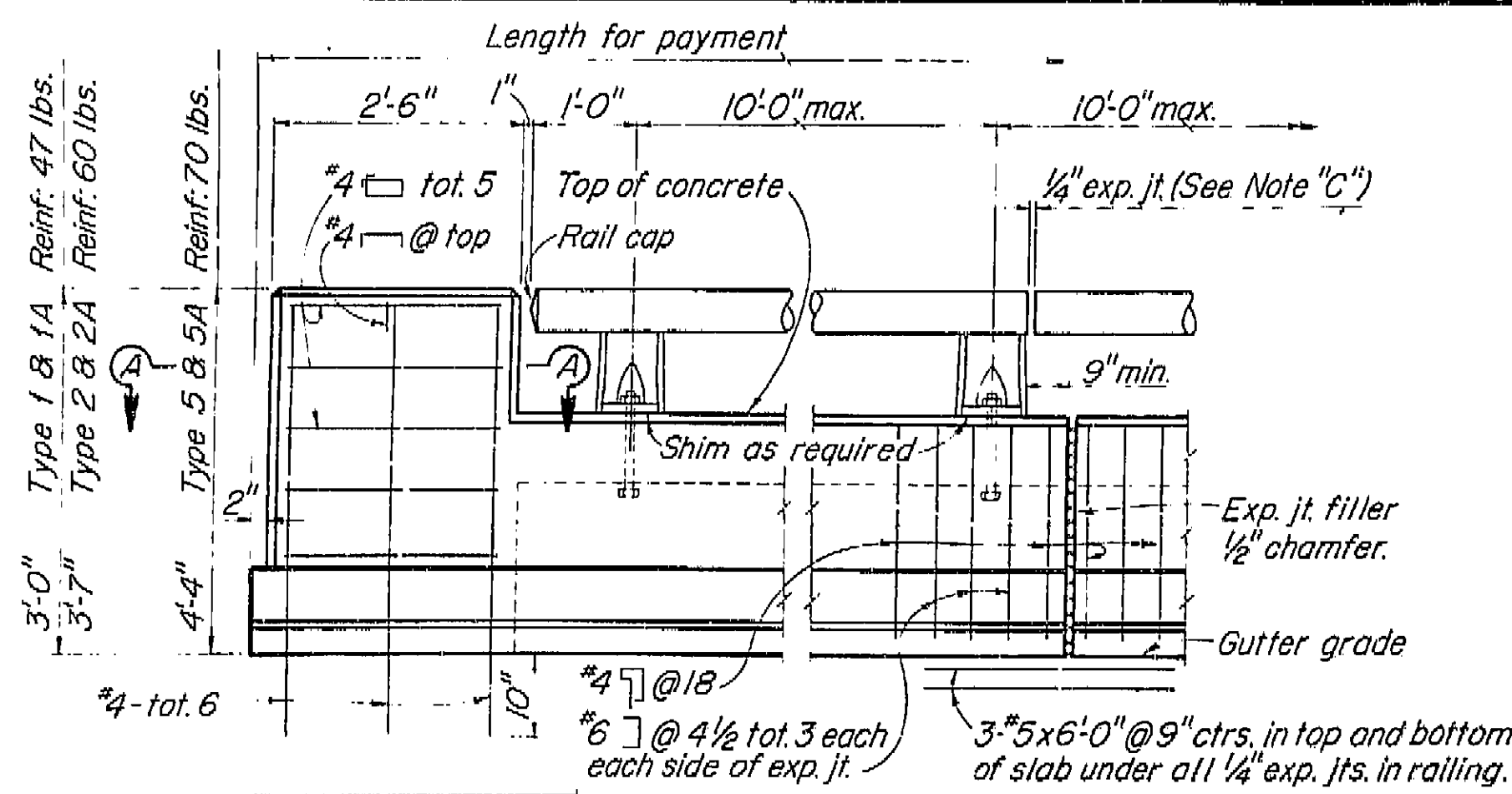
SHIM DETAIL
1/4" = 1'-0"

- Notes:
- At the option of the contractor, material for the railing shall be one of the following:
 - Aluminum pipe rail and cast aluminum post.
 - Steel pipe rail and cast steel post. Rail and posts to be galvanized. Steel pipe rail shall be 3/16" thick with 5" I.D.. Rail post dimensions shall be revised as necessary to fit the steel pipe.
 - Shims are to be of asbestos sheet packing.
 - For railing on a horizontal curve the pipe rail shall be bent to the curve or the spacing of posts adjusted so that the middle ordinate between posts will not exceed 1".

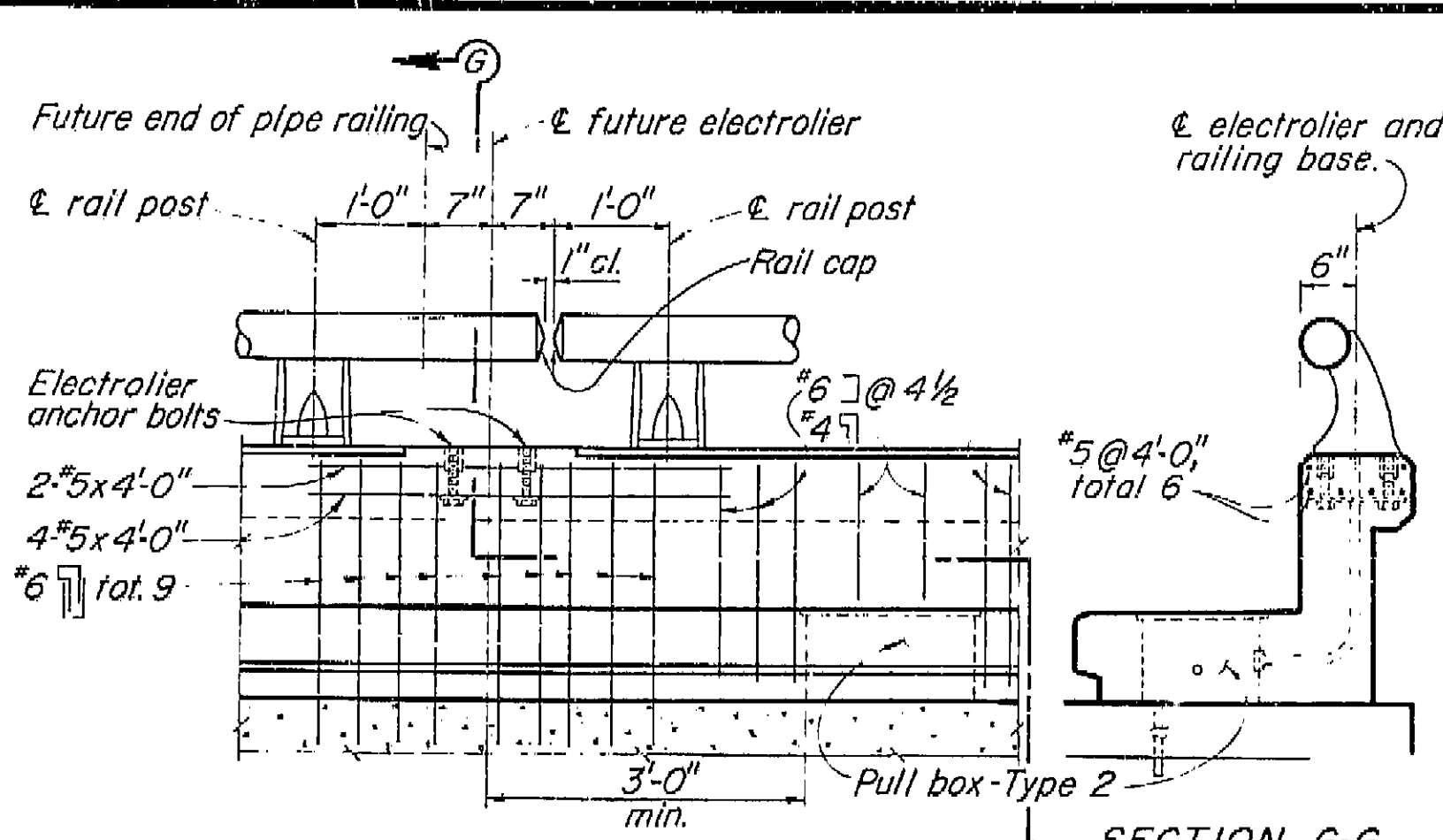
BRIDGE DEPARTMENT DESIGN SECTION		11/60	
Section Supervisor: <i>W.D. Quinter</i>		STATE OF CALIFORNIA DEPARTMENT OF PUBLIC WORKS DIVISION OF HIGHWAYS	
DESIGN: <i>W.D. Quinter</i>		SOUTH CALWA OVERHEAD	
DETAILS: <i>W.D. Quinter</i>		BARRIER RAILING SHEET 2	
QUANTITIES: <i>W.D. Quinter</i>		Except as noted SCALE 3/8" = 1"	
CHECKED: <i>D.P. Pollock</i>		BRIDGE 42-208 2/2	
		DRAWING 0-6735-14	

I HEREBY CERTIFY THAT THIS IS A TRUE AND ACCURATE COPY OF THE ABOVE DOCUMENT TAKEN UNDER MY DIRECTION AND CONTROL ON THIS DATE IN SACRAMENTO, CALIFORNIA PURSUANT TO AUTHORIZATION BY THE DIRECTOR OF PUBLIC WORKS.
DATE _____ SIGNATURE _____ TITLE _____

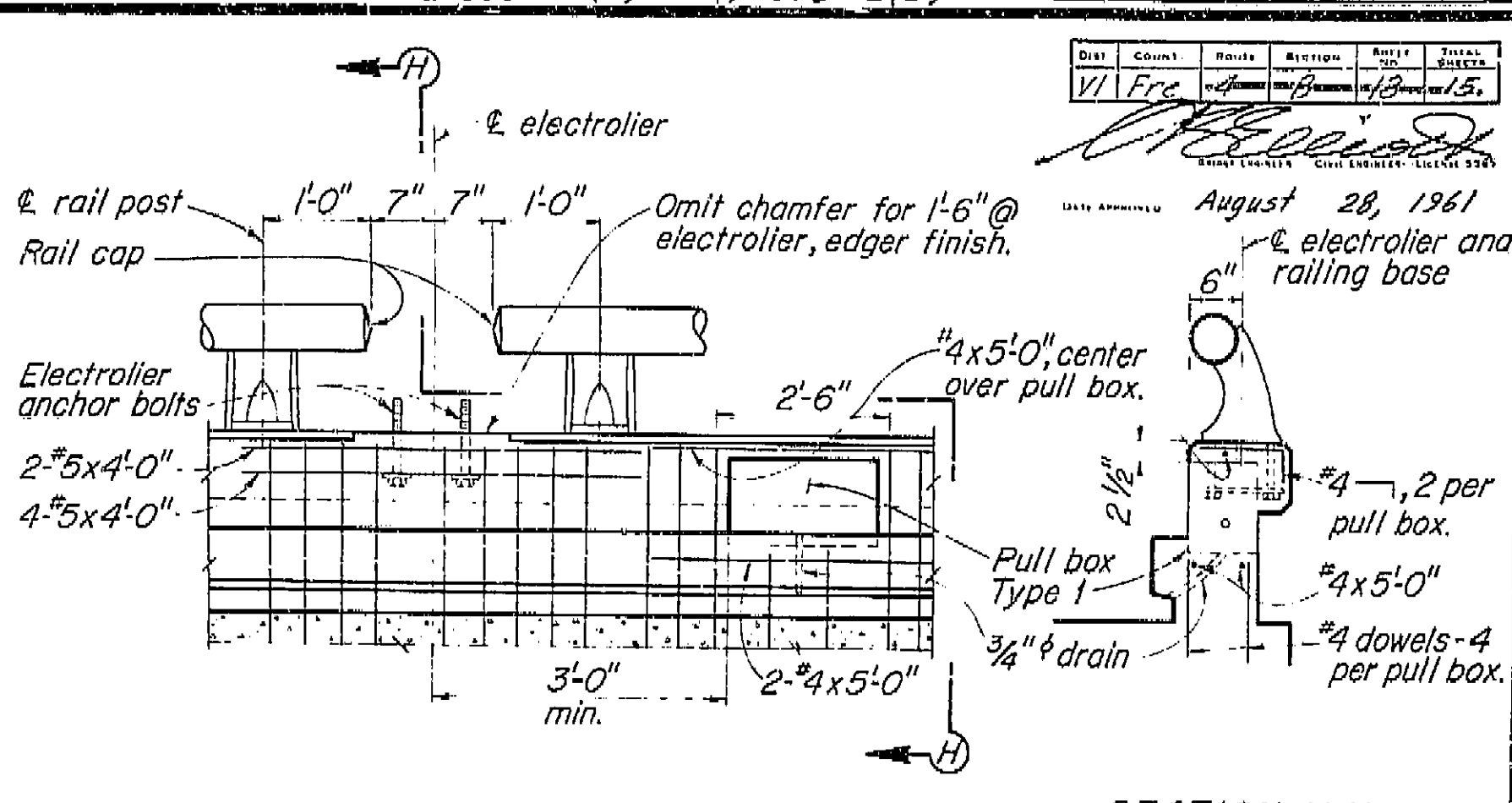
August 28, 1961
Electrolier and railing base



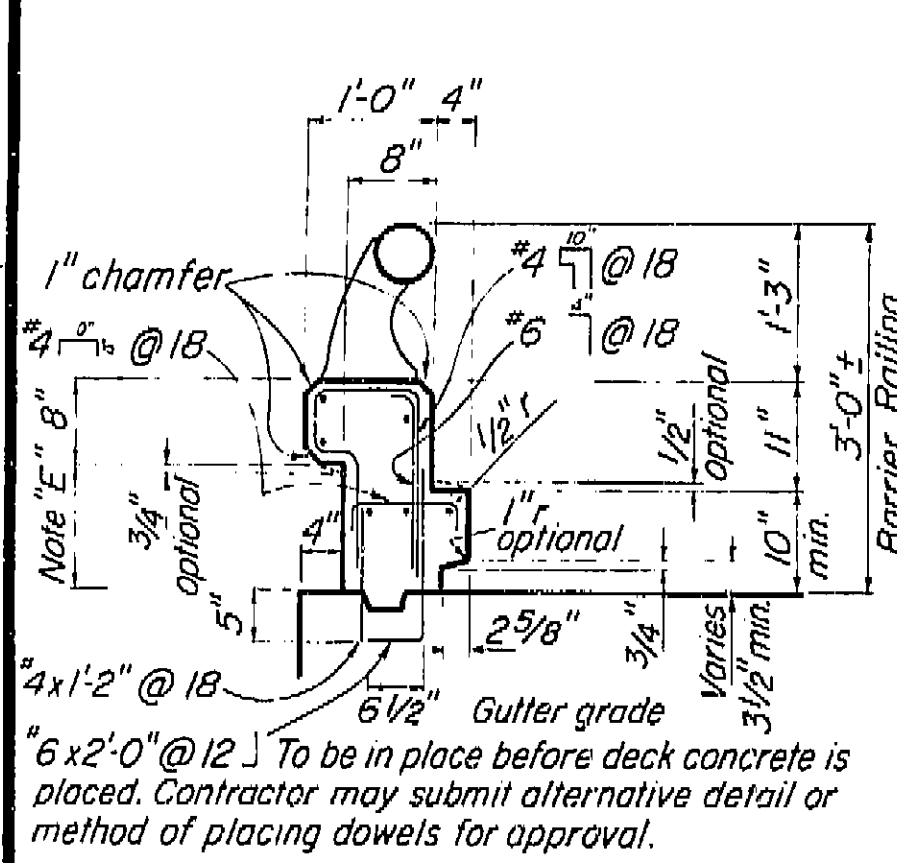
SECTION A-A



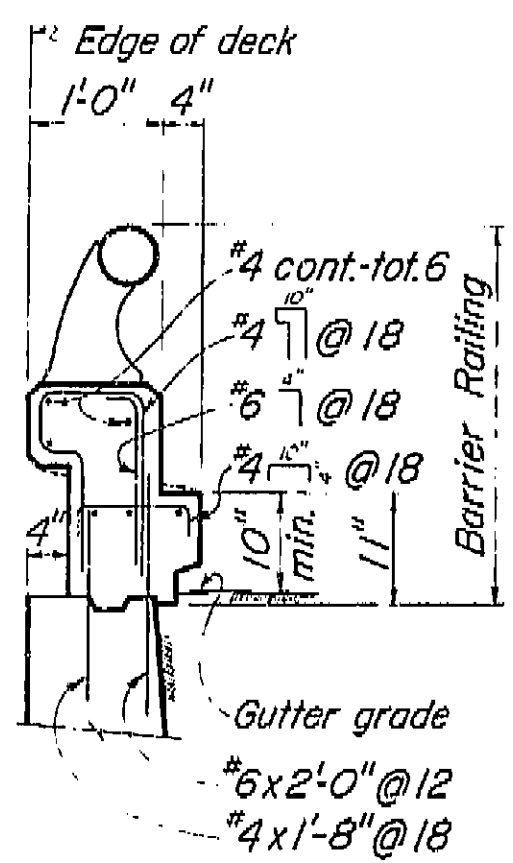
SECTION G-G



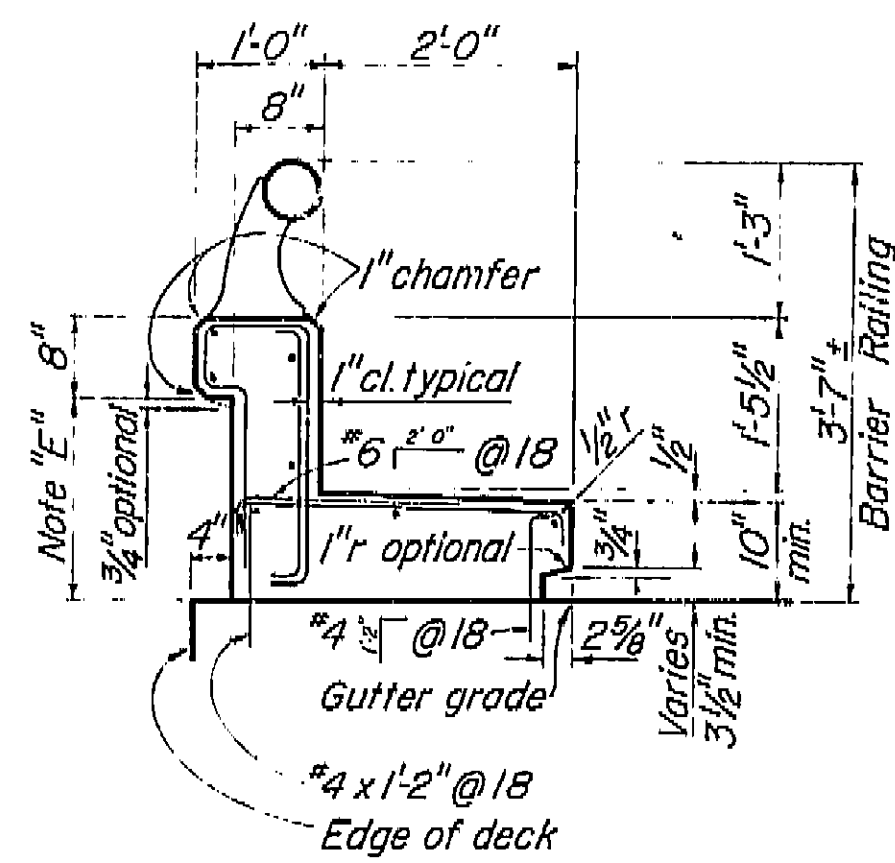
SECTION H-H



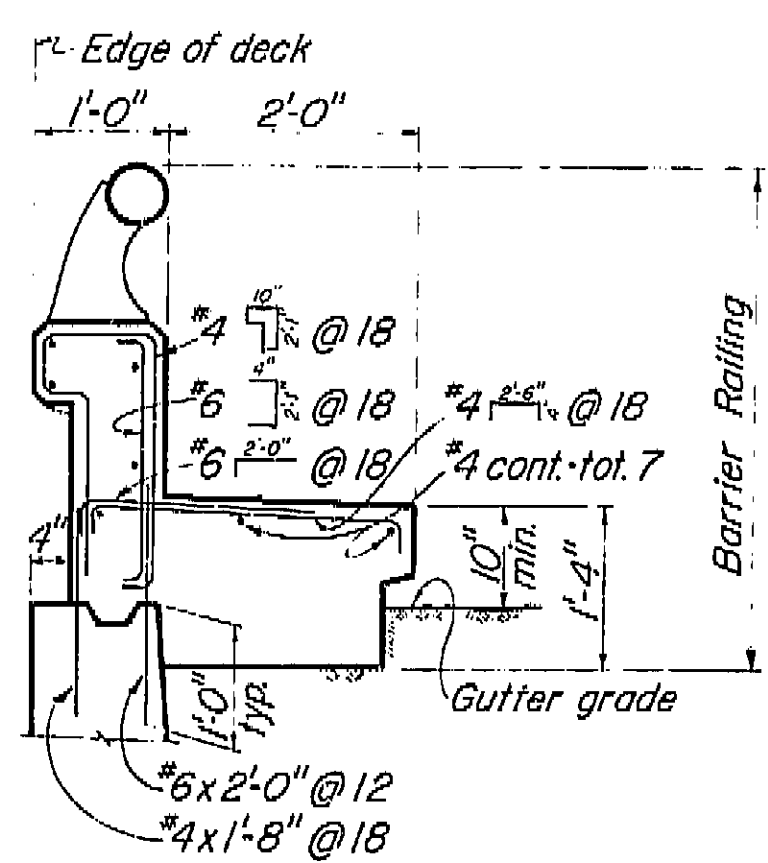
TYPE 1
Conc. 1.61 cu. ft. / lin. ft.
Reinf. 11.8 lbs. / lin. ft.



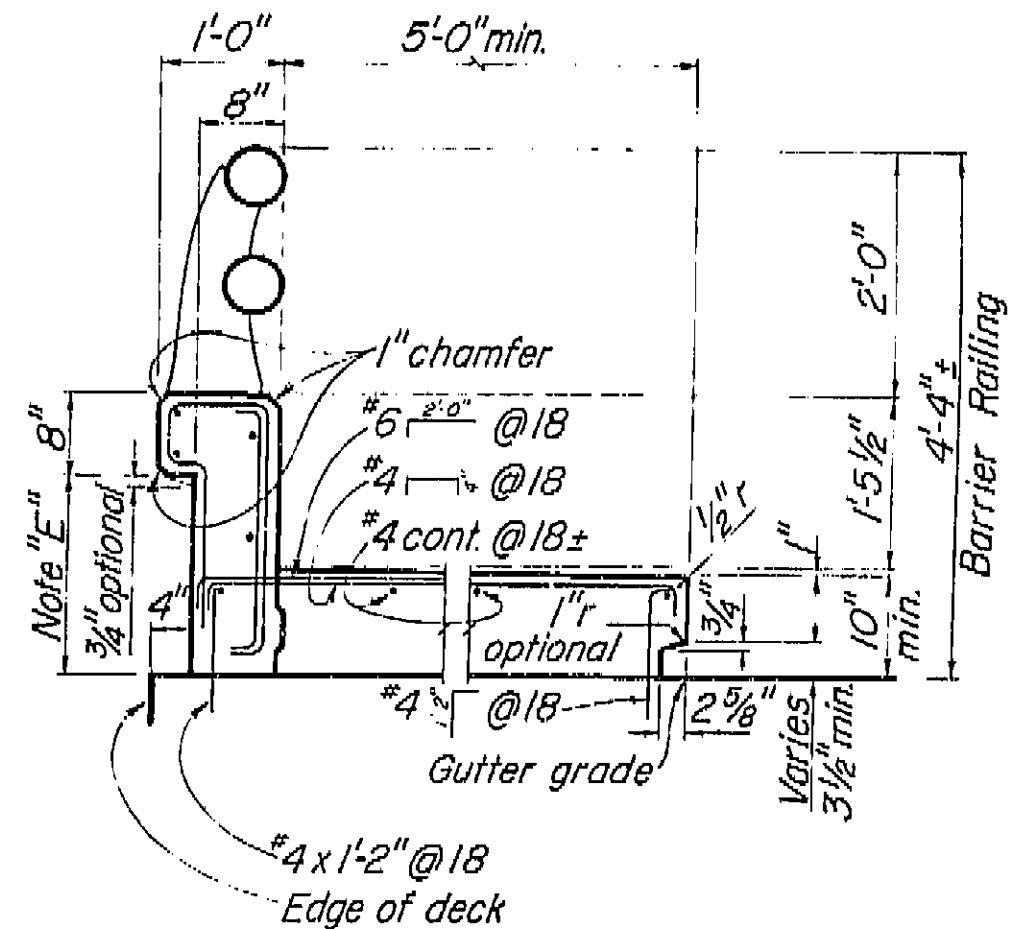
TYPE 1A
Conc. 1.61 cu. ft. / lin. ft.
Reinf. 12.0 lbs. / lin. ft.



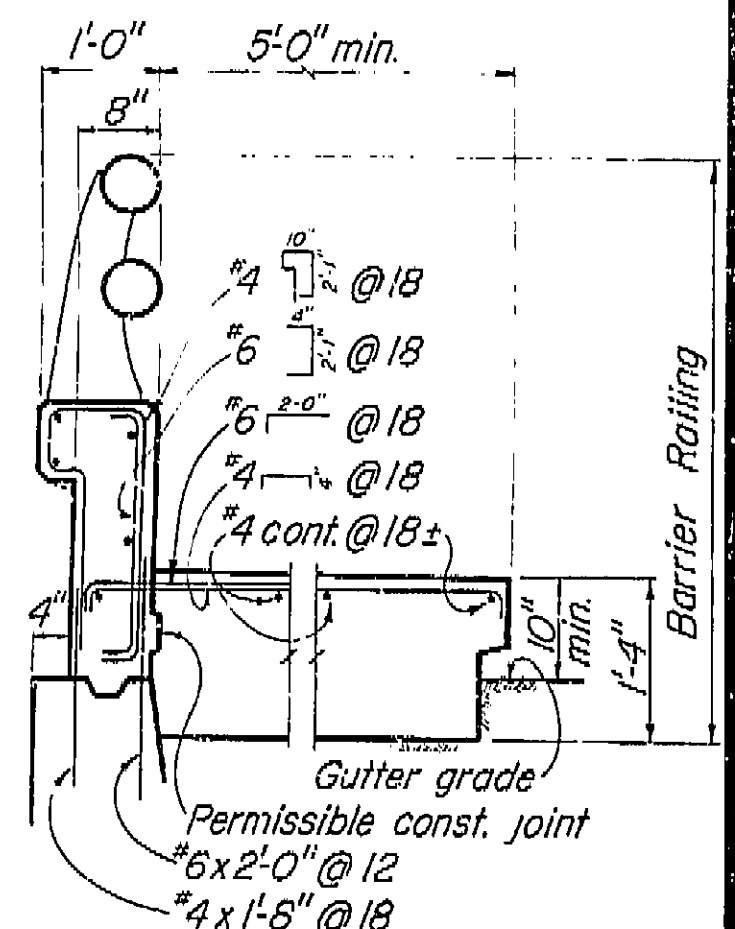
TYPE 2
Conc. 3.43 cu. ft. / lin. ft.
Reinf. 14.7 lbs. / lin. ft.



TYPE 2A
Conc. 4.30 cu. ft. / lin. ft.
Reinf. 17.3 lbs. / lin. ft.

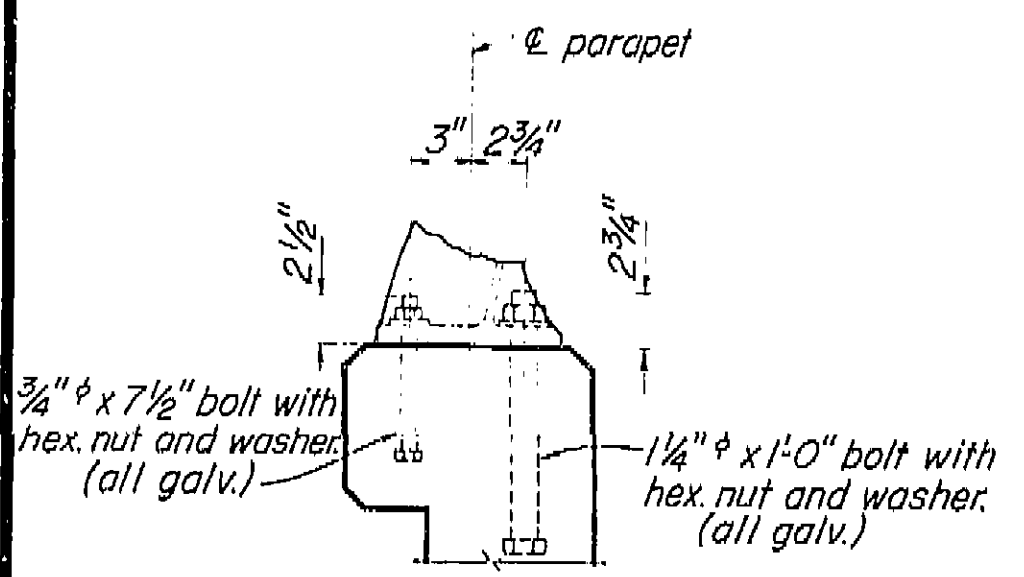


TYPE 5
Conc. 6.10 cu. ft. / lin. ft.
Reinf. 17.2 lbs. / lin. ft.
Conc. 0.84 cu. ft. / lin. ft.
Reinf. 2.1 lbs. / lin. ft.



TYPE 5A
Conc. 8.35 cu. ft. / lin. ft.
Reinf. 19.7 lbs. / lin. ft.
Conc. 1.34 cu. ft. / lin. ft.
Reinf. 2.1 lbs. / lin. ft.

TYPICAL CURB AND RAIL SECTIONS



RAIL POST ANCHOR BOLT DETAIL
Scale: 1 1/2" = 1'-0"

AS BUILT PLANS
Contract No. 62-6T13C3
Date Completed
Document No. 60001062

- Note: A. Railing shall conform to horizontal and vertical alignment.
B. Posts shall be normal to railing.
C. Curb and wall exp. jts. to be located at all deck joints, at piers or bents and at uniform spacing (40' max.) between those specified. Joint size to be 1/4" min. and increased to match deck joints.
D. Construct 3" deep x 12" wide overflow scupper 2" above deck at low points in grade.
E. Dimension will vary with cross-slope of deck.
F. Walls are to be backfilled before railing is placed.

G. Clearance to reinforcing steel in curb and railing to be 1".

THIS SET OF PLANS HAS BEEN CORRECTED TO REFLECT THE AS BUILT CONDITIONS. THE CORRECTIONS WERE SUBMITTED BY RESIDENT ENGINEER CORRECTED BY DATE

BRIDGE DEPARTMENT DESIGN SECTION 10/60	STATE OF CALIFORNIA DEPARTMENT OF PUBLIC WORKS DIVISION OF HIGHWAYS
DESIGN BY: E.D. Berry CHECKED: E.D. Berry DATE: 1/61	SOUTH CALWA OVERHEAD
QUANTITIES BY: E.D. Berry CHECKED: E.D. Berry DATE: 1/61	BARRIER RAILING SHEET 1
EXCEPT AS NOTED SCALE 3/4" = 1'-0"	BRIDGE 42-208 FILE DRAWING C-6735-13

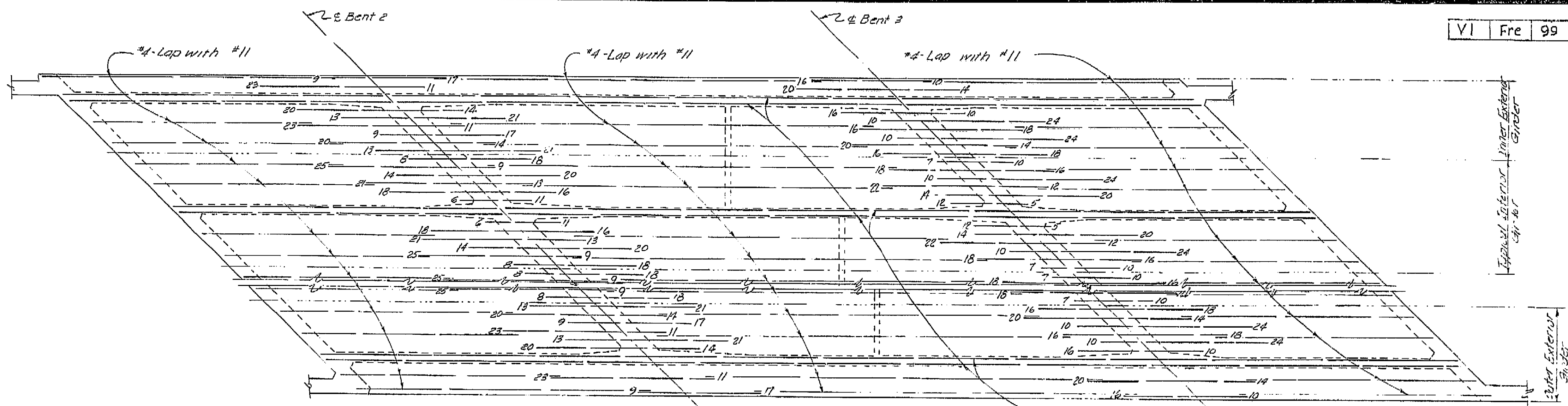
I HEREBY CERTIFY THAT THIS IS A TRUE AND ACCURATE COPY OF THE ABOVE DOCUMENT TAKEN UNDER MY DIRECTION AND CONTROL ON THIS DATE IN SACRAMENTO, CALIFORNIA PURSUANT TO AUTHORIZATION BY THE DIRECTOR OF PUBLIC WORKS.
DATE: 1/61 SIGNATURE: E.D. Berry TITLE: Resident Engineer

U-006-2(6) F-006-2(5)

FED. ROAD DIST. NO.	STATE	F. A. PROJECT NO.	SHEET NO.	TOTAL SHEETS
7	CALIF.		130	424

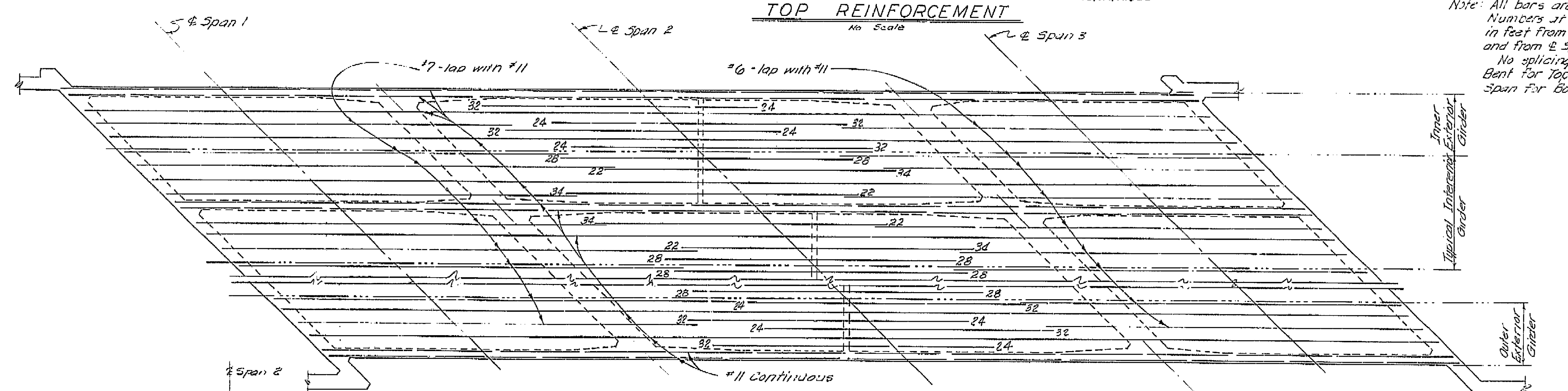
DIST.	COUNTY	ROUTE	SECTION	POST MILES	TOTAL MILES
41	Fre	99		11.15	11.15

BRIDGE ENGINEER: [Signature]
DATE APPROVED: August 28, 1961

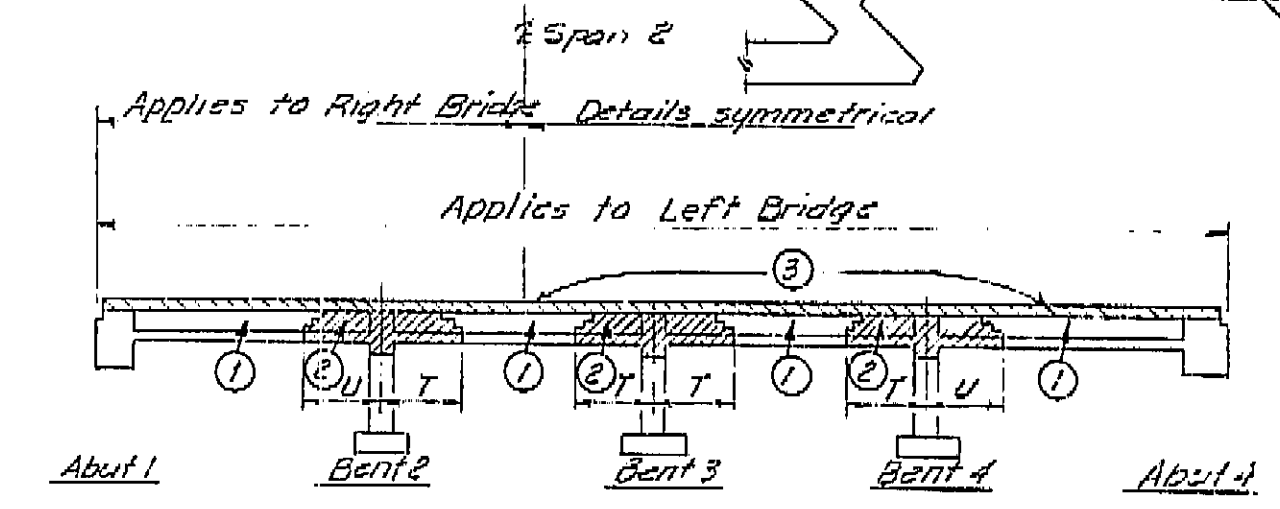


TOP REINFORCEMENT
No Scale

Note: All bars are #11 except as noted.
Numbers at ends of bars indicate distance in feet from ± Bent for Top Reinforcement and from ± Span for Bottom Reinforcement.
No splicing of #11 bars permitted near ± Bent for Top Reinforcement or near ± Span for Bottom Reinforcement.



BOTTOM REINFORCEMENT
No Scale



SUPERSTRUCTURE PLACING DIAGRAM

Numbers (1) and (2) indicate sequence of placing bottom slab and girder stem concrete. (2) may be placed simultaneously with (1) when approved by the Engineer, and provided that the (1) sections are placed in adjoining spans. Top slab concrete (3) shall be placed separately from (1) and (2). (3) may be placed continuously or in parts as approved by the Engineer, however the only joints permitted shall be located within 2'0" of the girder joints between (1) and (2).
T = 1/2 span length
U = 1/4 span length
For any deviation from the above the contractor shall submit a diagram to the Engineer.

AS BUILT PLANS
Contract No. 62-6713C3
Date Completed
Document No. 60001062

BRIDGE DEPARTMENT			
DESIGN SECTION 2			
Project Designer: [Signature]			
Chief Designer: [Signature]			
DESIGN	by E.D. Berry '60	Checked: [Signature]	
DETAILS	by K.C. Blechinger '60	Checked: [Signature]	
QUANTITIES	by [Signature]	Checked: D.P. Pollock '60	
SPECIFICATIONS	by [Signature]	Checked: [Signature]	
Approval Recommended by: [Signature]			

STATE OF CALIFORNIA DEPARTMENT OF PUBLIC WORKS DIVISION OF HIGHWAYS			
SOUTH CALWA OVERHEAD			
RIGHT BRIDGE GIRDER REINFORCEMENT			
SCALE: As Noted	BRIDGE 42-208 ^R	FILE	DRAWING C-6735-111

I HEREBY CERTIFY THAT THIS IS A TRUE AND ACCURATE COPY OF THE ABOVE DOCUMENT TAKEN UNDER MY DIRECTION AND CONTROL ON THIS DATE IN SACRAMENTO, CALIFORNIA PURSUANT TO AUTHORIZATION BY THE DIRECTOR OF PUBLIC WORKS.
DATE 1-12-62 SIGNATURE [Signature] TITLE [Signature]

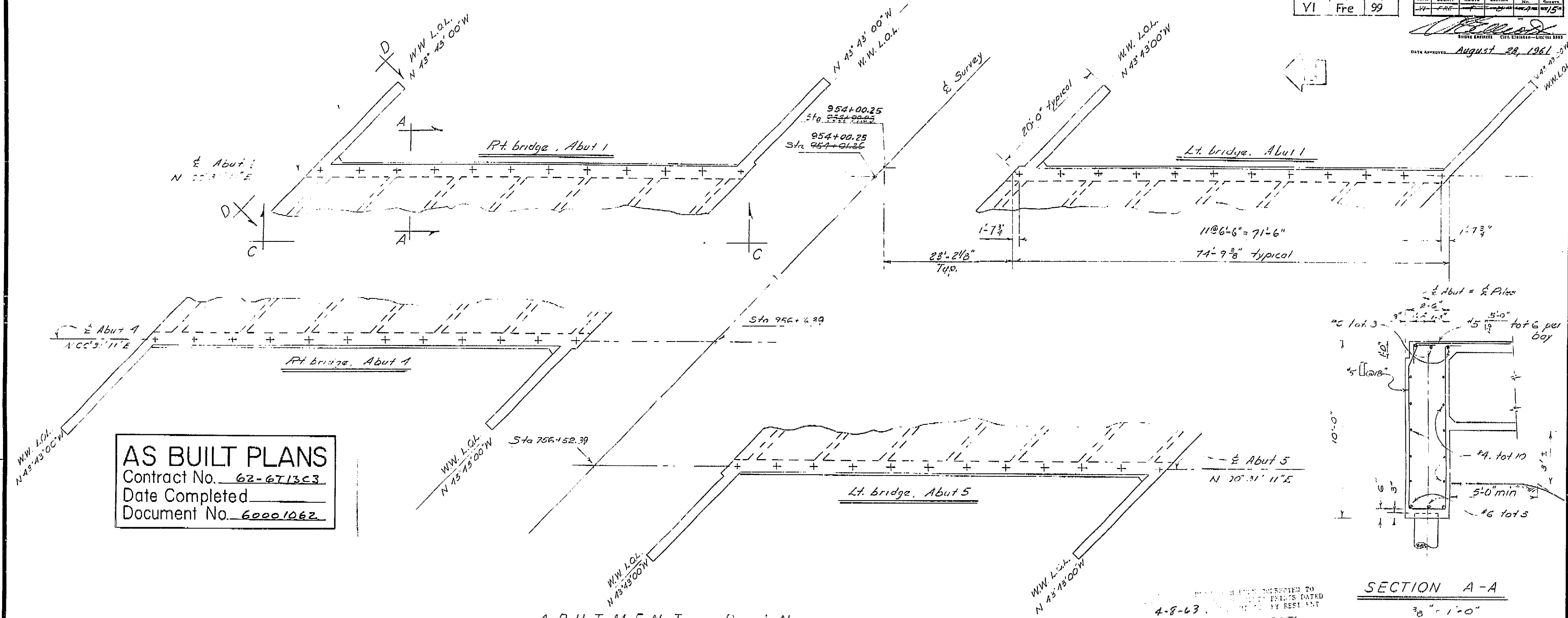
U-006-2(6) F-006-2(5)

FED. ROAD DIST. NO.	STATE	P. A. PROJECT NO.	SHEET NO.	TOTAL SHEETS
7	CALIF.		183	424

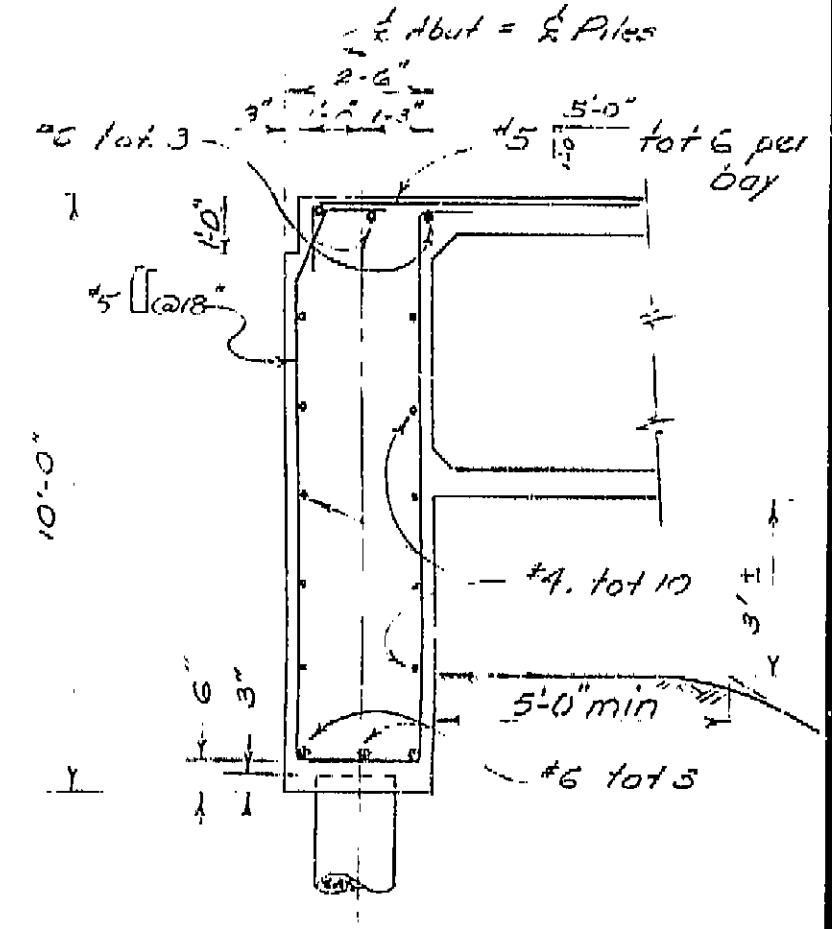
VI Fre 99

DIST.	COUNTY	ROUTE	SECTION	SHEET NO.	TOTAL SHEETS
VI	Fre	99		183	424

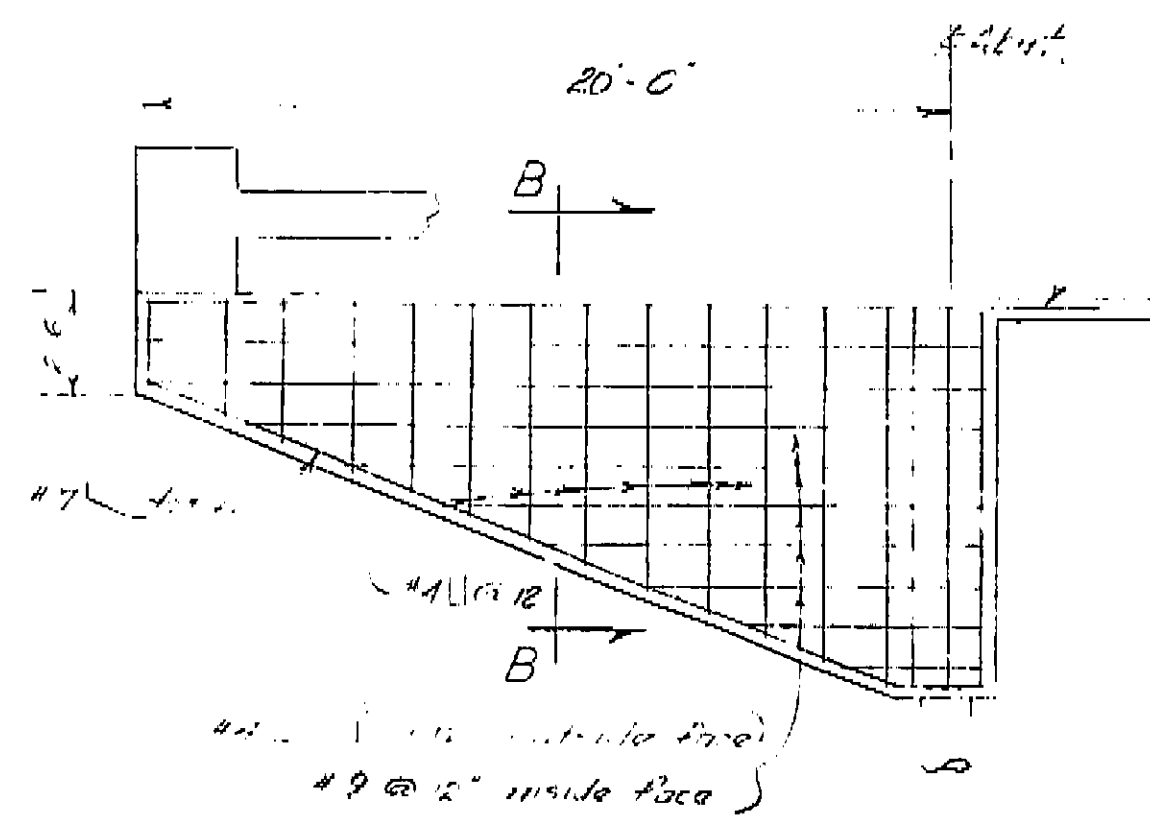
BRIDGE ENGINEER CIVIL ENGINEER - LICENSE 1885
DATE APPROVED August 28, 1961



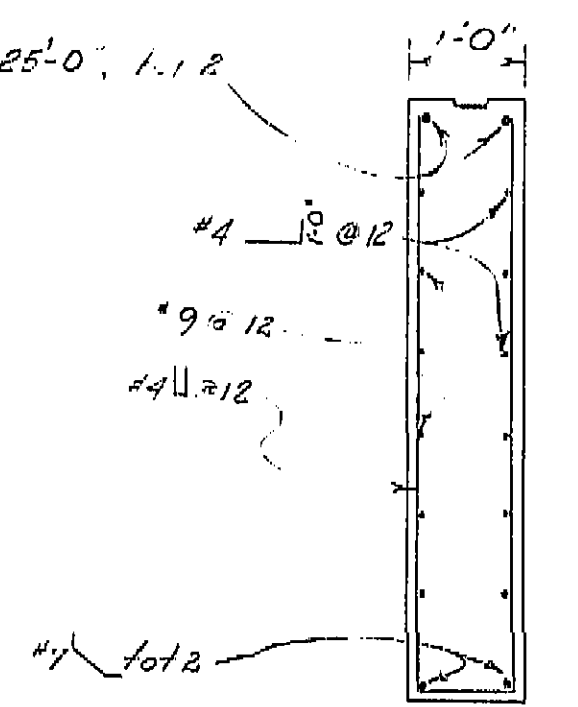
AS BUILT PLANS
Contract No. 62-6T13C3
Date Completed
Document No. 60001062



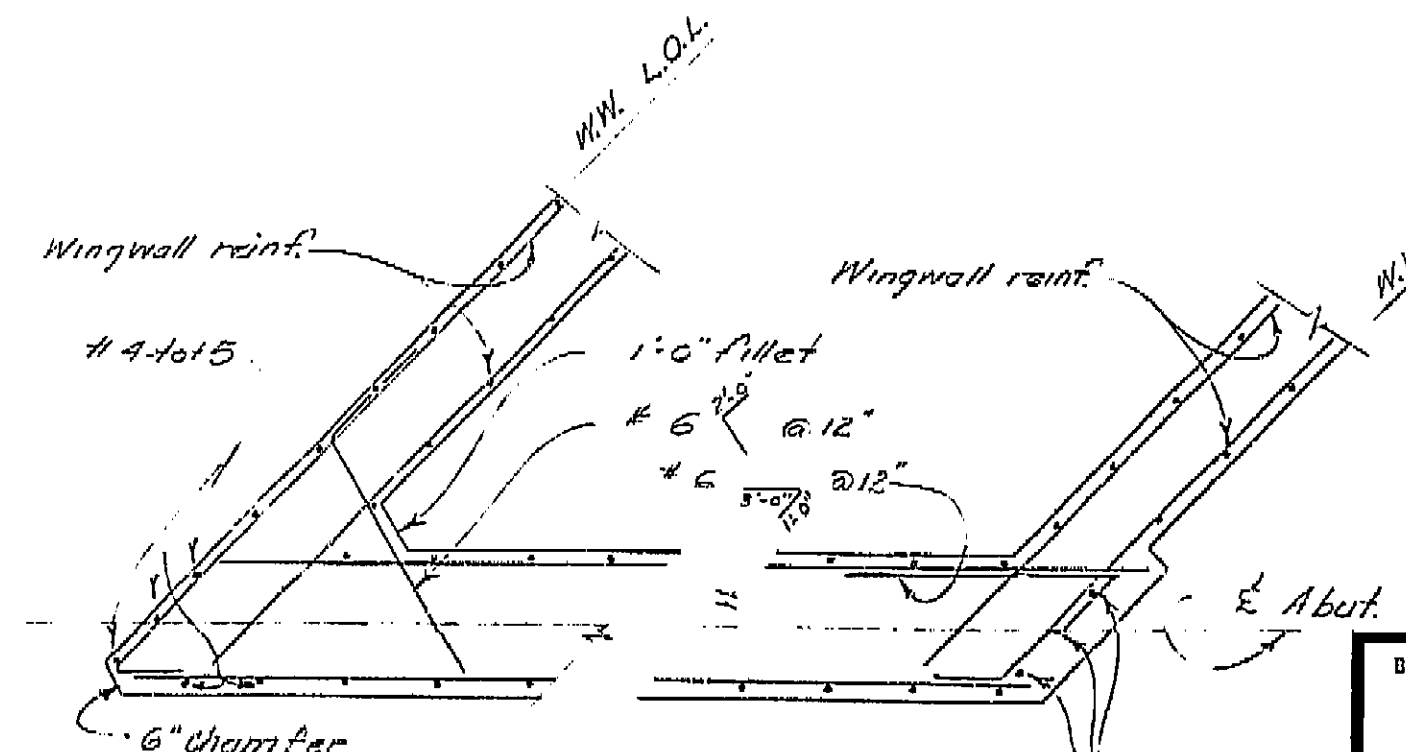
SECTION A-A
3'-0" - 1'-0"



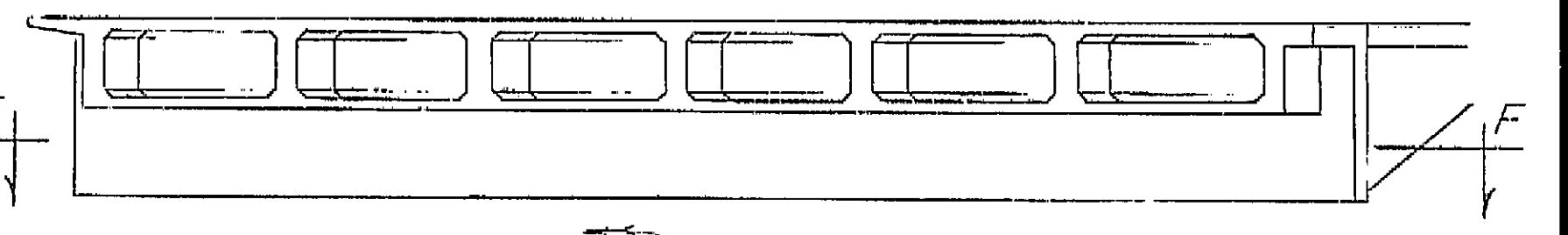
ELEVATION D-D
1'-0" - 1'-0"



SECT. B-B
3/4" - 1'-0"



SECTION F-F
3'-0" - 1'-0"



ELEVATION C-C
1'-0" - 1'-0"

BRIDGE DEPARTMENT		STATE OF CALIFORNIA	
DESIGN SECTION		DEPARTMENT OF PUBLIC WORKS	
Project Designer: <i>[Signature]</i>		DIVISION OF HIGHWAYS	
Chief Designer: <i>[Signature]</i>		SOUTH CALWA OVERHEAD	
DESIGN: <i>[Signature]</i>		ABUTMENT DETAILS	
DETAILS: <i>[Signature]</i>		SCALE: As Noted	
QUANTITIES: <i>[Signature]</i>		BRIDGE 1E-208 1/2	
SPECIFICATIONS: <i>[Signature]</i>		FILE	
Approval Recommended by: <i>[Signature]</i>		DRAWING C-6133-4 1	

I HEREBY CERTIFY THAT THIS IS A TRUE AND ACCURATE COPY OF THE ABOVE DOCUMENT TAKEN UNDER MY DIRECTION AND CONTROL ON THIS DATE IN SACRAMENTO, CALIFORNIA PURSUANT TO AUTHORIZATION BY THE DIRECTOR OF PUBLIC WORKS.
DATE 1-12-62 SIGNATURE *[Signature]* TITLE *[Title]*

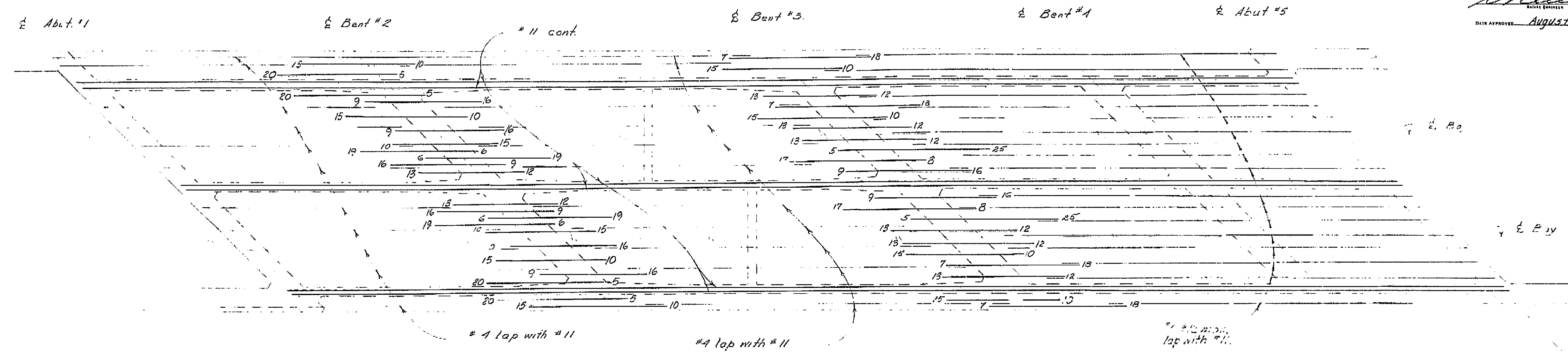
U-006-2(6) F-006-2(5)

FED. ROAD DIST. NO.	STATE	F. A. PROJECT NO.	SHEET NO.	TOTAL SHEETS
7	CALIF.		189	224

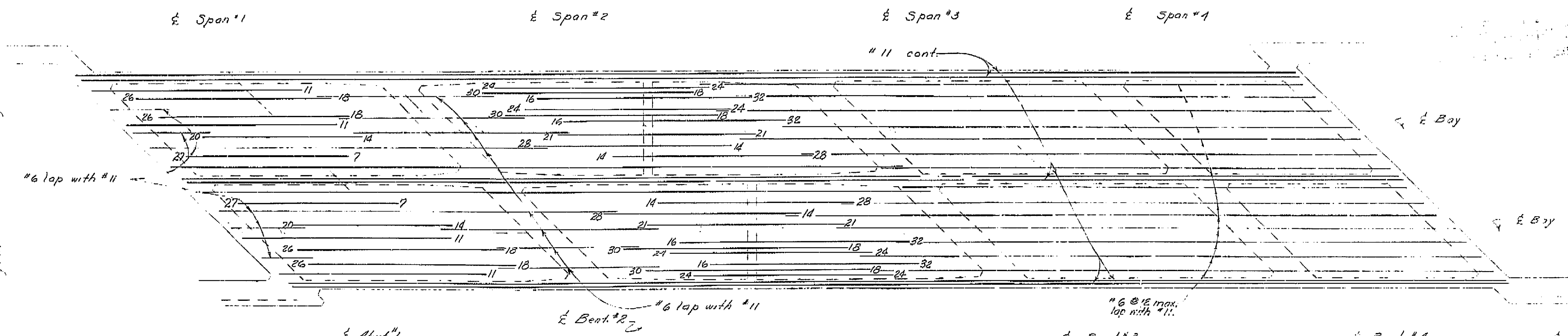
VI Fre 99

DIST.	COUNTY	ROUTE	SECTION	SHEET NO.	TOTAL SHEETS
VI	Fre	99		189	224

DATE APPROVED August 28, 1961



TOP REINFORCEMENT



BOTTOM REINFORCEMENT

AS BUILT PLANS
Contract No. 62-6T13C3
Date Completed
Document No. 60001062

Note:
All bars are #11 except as noted. Numbers at ends of bars indicate distance in feet from bent for top reinforcement or from span for bottom reinforcement.
No splicing of #11 bars permitted near bent in top reinforcement or near span in bottom reinforcement.

BRIDGE DEPARTMENT			
DESIGN SECTION 2			
Project Designer: [Signature]			
Chief Designer: [Signature]			
DESIGN	By: E.D. Berry	Checked: E.D. Berry	1960
DETAILS	By: T. S. S. S. S.	Checked: E.D. Berry	1960
QUANTITIES	By: R. J. J. J.	Checked: D.P. Callock	1960
SPECIFICATIONS	By: [Signature]	Checked: [Signature]	1960

STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC WORKS
DIVISION OF HIGHWAYS

SOUTH CALWA OVERHEAD
LEFT BRIDGE GIRDER REINFORCEMENT

SCALE None BRIDGE 42-208 1/2 FILE DRAWING 0-6735-10

I HEREBY CERTIFY THAT THIS IS A TRUE AND ACCURATE COPY OF THE ABOVE DOCUMENT TAKEN UNDER MY DIRECTION AND CONTROL ON THIS DATE IN SACRAMENTO, CALIFORNIA PURSUANT TO AUTHORIZATION BY THE DIRECTOR OF PUBLIC WORKS.

DATE 10/10/62 SIGNATURE [Signature] TITLE [Title]

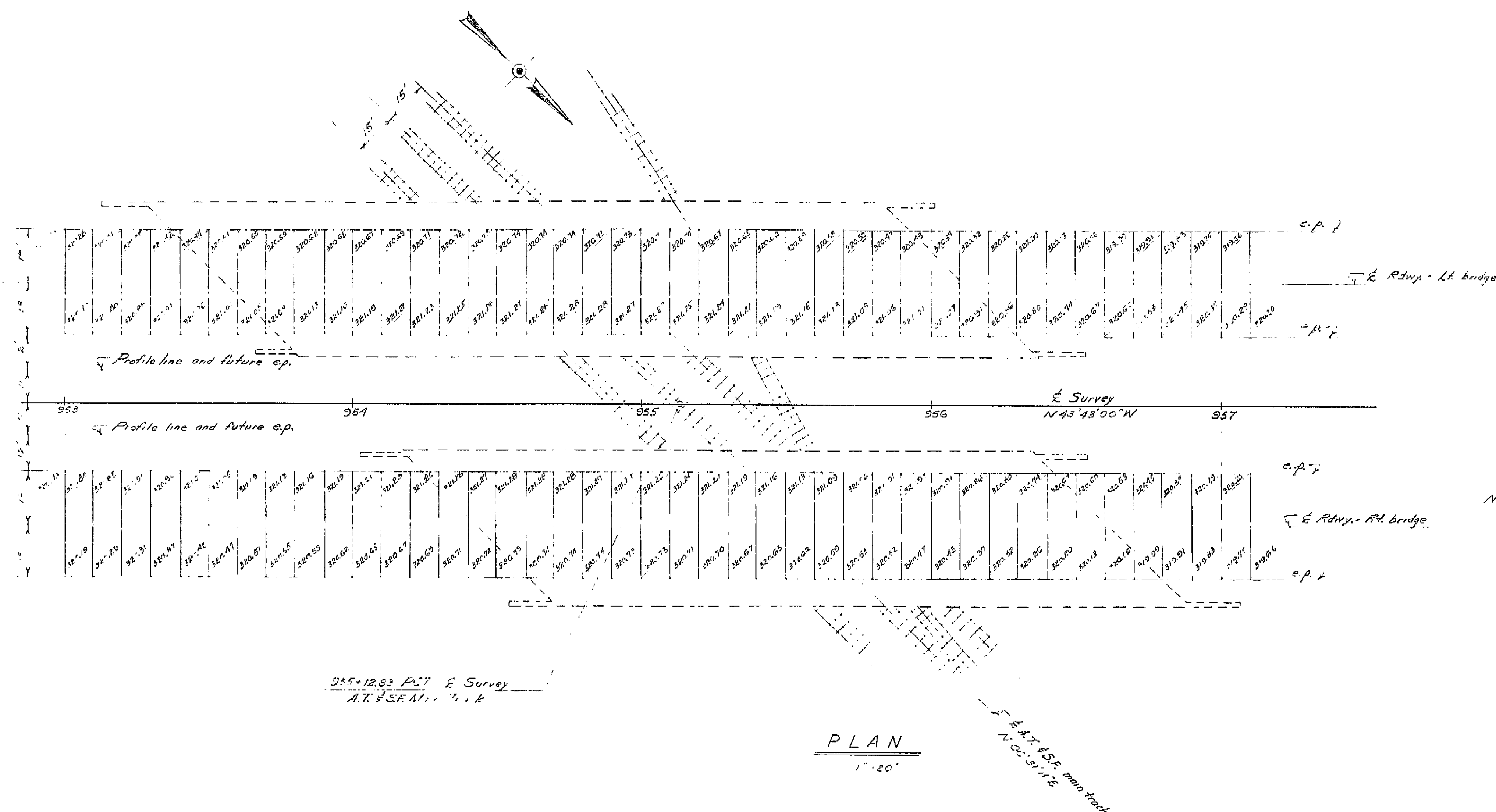
FED. ROAD DIST. NO.	STATE	F. A. PROJECT NO.	SHEET NO.	TOTAL SHEETS
7	CALIF.		181	424

V1 Fre 99

DIST.	COUNTY	ROUTE	SECTION	SHEET NO.	TOTAL SHEETS
14	Fre	99		181	424

BRIDGE ENGINEER: *[Signature]*
CIVIL ENGINEER - LICENSE 2895

DATE APPROVED: August 28, 1961



NOTE: Elevations are figured from profile line at 10' stations along survey line. These elevations do not include camber.

AS BUILT PLANS
Contract No. 62-6713C3
Date Completed
Document No. 60001062

BRIDGE DEPARTMENT			
DESIGN SECTION 2			
Project Designer: <i>[Signature]</i>			
Chief Designer: <i>[Signature]</i>			
DESIGN	By: <i>[Signature]</i>	Checked: <i>[Signature]</i>	ED Berry '60
DETAILS	By: <i>[Signature]</i>	Checked: <i>[Signature]</i>	ED Berry '60
QUANTITIES	By: <i>[Signature]</i>	Checked: <i>[Signature]</i>	MR. Kottick '60
SPECIFICATIONS	By: <i>[Signature]</i>	Checked: <i>[Signature]</i>	
Approved Recommended by: <i>[Signature]</i>			

SOUTH CALWA OVERHEAD
GRID ELEVATION PLAN

SCALE: As noted
BRIDGE: 42-208
FILE: *[Signature]*
DRAWING: C-6735-2

I HEREBY CERTIFY THAT THIS IS A TRUE AND ACCURATE COPY OF THE ABOVE DOCUMENT TAKEN UNDER MY DIRECTION AND CONTROL ON THIS DATE IN SACRAMENTO, CALIFORNIA PURSUANT TO AUTHORIZATION BY THE DIRECTOR OF PUBLIC WORKS.
DATE: 12-12-62 SIGNATURE: *[Signature]* TITLE: *[Signature]*

GENERAL NOTES

SPECIFICATIONS:

DESIGN: A.A.S.H.O. DATED 1957 WITH REVISIONS AND AS SUPPLEMENTED
BY BRIDGE PLANNING AND DESIGN MANUAL.

CONSTRUCTION: STANDARD SPECIFICATIONS, DIVISION OF HIGHWAYS, DATED JANUARY 1960 AND THE SPECIAL PROVISIONS.

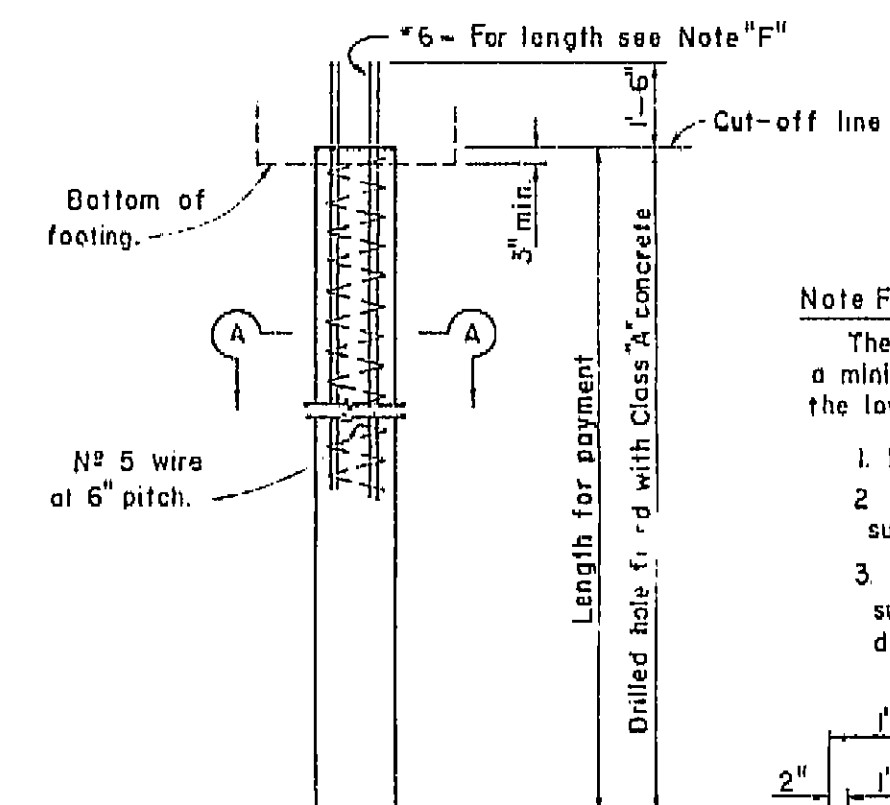
LIVE LOADING: H20-S16-44 AND ALTERNATIVE

UNIT STRESSES:

REINFORCED CONCRETE: $F_S = 20,000$ P.S.I., $N = 1.0$

$$F_C = 1,200 \text{ P.S.I.}$$

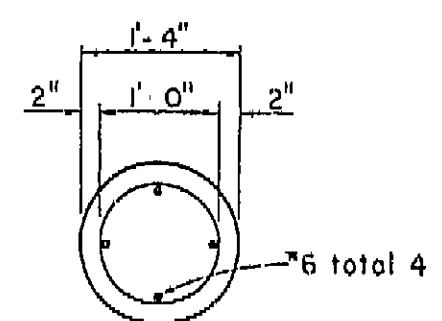
PILE LOADING: 32 TONS TYPE: CONCRETE C.I.L.H.



Note F

The #6 bars shall extend a minimum of 12'-0" below the lowest of the following:

1. Bottom of footing.
2. Top of final ground surface.
3. Top of original ground surface when piles are drilled through fill.




SECTION A-A

CAST - IN - DRILLED HOLE

CONCRETE PILE

Concrete to be placed in dry hole

+ Indicates vertical piles

 *OOR* Indicates bottom of footing elevation.

Note
For site layout of Bent footings,
see "Bent Details" and
"Bent 3- Left Bridge Details."

RECEIVED
JAN 10 1962
U.S. DEPARTMENT OF
THE ARMY
WASHINGTON, D.C.

AS BUILT PLANS
Contract No. 62-6T13C3
Date Completed _____
Document No. 60001062

LEVEL DATUM: USCGS
FOR ALIGNMENT TIES SEE PP. 135A
CONTOURS AS OF 10-50
SITE PLAN TO SUPPLEMENT DISTRICT DATA
SURVEY BY EDMUNDSON DATE 10-50
DRAWN BY JS DATE 11-50
TRACED BY JS DATE 11-20-50

RAIL LOCATION
NO SCALE

1121 RECL CFI 1947 11

COLORADO SEC 1903 - 1925 CH

BRIDGE DEPARTMENT		DESIGN SECTION	
Project Designer: <i>Frank T. Brown</i>		Checked: <i>[Signature]</i>	
Chief Designer: <i>W. J. [Signature]</i>		Checked: <i>[Signature]</i>	
DESIGN	By: <i>W. J. [Signature]</i>	Checked: <i>ED Berry</i>	%
DETAILS	By: <i>W. J. [Signature]</i>	Checked: <i>ED Berry</i>	%
QUANTITIES	By: <i>W. J. [Signature]</i>	Checked: <i>ED Berry</i>	%
SPECIFICATIONS	By: <i>W. J. [Signature]</i>	Checked: <i>ED Berry</i>	%
Approved & Recommended by: <i>[Signature]</i>		Chief and Structural Engineer: <i>[Signature]</i>	

STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC WORKS
DIVISION OF HIGHWAYS

SOUTH CALWA OVERHEAD

FOUNDATION PLAN

SCALE 1" = 20'	BRIDGE 42-2059L	FILE 6-42	DRAWING C-6735-3
----------------	-----------------	-----------	------------------

[illegible]

I HEREBY CERTIFY THAT THIS IS A TRUE AND ACCURATE COPY OF THE ABOVE DOCUMENT TAKEN UNDER MY DIRECTION AND CONTROL ON THIS DATE IN SACRAMENTO, CALIFORNIA PURSUANT TO AUTHORIZATION BY THE DIRECTOR OF PUBLIC WORKS.

DATE 1-12-72 SIGNATURE James E. Coy TITLE SR RMC